

**SEA-DOO®**

**GTX PRO 130 Series**

# Operator's Guide

**Includes**

Safety, Vehicle and  
Maintenance Information

**2021**



**⚠ WARNING**

Read this guide thoroughly.  
It contains important safety information.  
Minimum recommended operator's age: 16 years old.  
Keep this Operator's Guide in the watercraft.

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**Original Instructions**

## **WARNING**

Disregarding any of the safety precautions and instructions contained in this Operator's Guide, *SAFETY VIDEO* and on-product safety labels could cause injury including the possibility of death.

### CALIFORNIA PROPOSITION 65 WARNING

 **WARNING:** Operating, servicing and maintaining a recreational marine vessel can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle. For more information go to [www.p65warnings.ca.gov/products/passenger-vehicle](http://www.p65warnings.ca.gov/products/passenger-vehicle).



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# KNOW BEFORE YOU GO: BASIC RULES FOR SAFE PWC OPERATION

## Improper Operation Can Result in Severe Injury or Death

**Operators must be qualified.** Make sure operator is 16 or older and has taken a boater safety course. Your state (or province) may have additional requirements.



## Operators must avoid collisions:

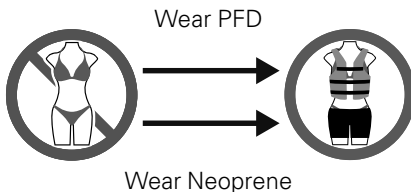
- Scan constantly for people, objects, and other watercraft.
- Stay far enough away from others so you can always safely coast to a stop.
- Do not release throttle when trying to steer away from objects - as with other powerboats, you need throttle to steer.



## Protect all riders:

- Falls can result in severe injury or death.
- All riders must wear shorts with neoprene (wet suit material) to keep water from being forcefully injected into rectum or vagina during a fall backward. Riders not wearing neoprene shorts have received severe rectal, vaginal, and internal injuries resulting in permanent damage.

Do not ride if you are not dressed appropriately.



- All riders must wear an approved PFD (Personal Flotation Device).
- Be sure riders are properly seated and holding on. Riders can be thrown off PWC during unexpected acceleration or aggressive operation. Avoid aggressive operation, sharp turns, and unexpected acceleration.
- Do not apply throttle when anyone is boarding or at rear of PWC.
- Do not jump wakes or waves - jumping can cause injuries such as back or spinal injury (paralysis).



## Do not permit reckless operation:

- Do not go near others to spray or splash them with water, go too close to other boats, or go too fast for traffic conditions.
- Never ride after consuming alcohol or drugs.

This operator's guide covers the following models:

MODELS
GTX PRO 130 GTX PRO 130 iBR

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# ***GENERAL INFORMATION***

# FOREWORD

Congratulations on your purchase of a new Sea-Doo® personal watercraft (PWC). It is backed by the BRP warranty and a network of authorized Sea-Doo personal watercraft dealers ready to provide the parts, service or accessories you may require.

Your dealer is committed to your satisfaction. He has taken training to perform the initial setup and inspection of your watercraft as well as completed the final adjustment before you took possession. If you need more complete servicing information, please ask your dealer.

At delivery, you were also informed of the warranty coverage and signed the *PRE-DELIVERY CHECK LIST* to ensure your new watercraft was prepared to your entire satisfaction.

## Know Before you Go

To learn how to reduce the risk for you or other persons being injured or killed, read the following sections before you operate the watercraft:

- SAFETY INFORMATION
- WATERCRAFT INFORMATION.

Read and understand all safety labels on your watercraft and watch attentively the *SAFETY VIDEO* located at:


<https://www.sea-doo.com/safety>

Or, use the following QR code.




## Safety Messages

This Operator's Guide utilizes the following symbols and words to emphasize particular information:

The safety alert symbol  indicates a potential injury hazard.

### WARNING

Indicates a potential hazard which, if not avoided, could result in serious injury or death.

 CAUTION Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

**NOTICE** Indicates an instruction which, if not followed, could severely damage watercraft components or other property.

## About this Operator's Guide

This Operator's Guide has been prepared to acquaint the owner/operator or passenger with this personal watercraft and its various controls, maintenance and safe riding instructions.

Keep this Operator's Guide in the watercraft as you can refer to it for the operation, instructing others, maintenance and troubleshooting. This Operator's Guide needs to remain with the watercraft when it's sold.

This guide is available in several languages. In the event of any discrepancy, the English version shall prevail.

If you want to view and/or print an extra copy of your Operator's Guide, simply visit the following website:

[www.operatorsguides.brp.com](http://www.operatorsguides.brp.com)

The informations contained in this document are correct at the time of publication. However, BRP maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on products previously manufactured. Due to late changes, some differences between the manufactured product and the descriptions and/or specifications in this guide may occur. BRP reserves the right at any time to discontinue or

change specifications, designs, features, models or equipment without incurring any obligation upon itself.

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# ***SAFETY INFORMATION***

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# BEFORE YOU GO

## WARNING

Disregarding any of the safety precautions and instructions contained in this section could cause injury including the possibility of death.

### **Operating Age and Ability**

Operators must be qualified. Make sure the operator is 16 or older and has taken a boater safety course. Your state (or province) may have additional requirements. Laws regarding the minimum age and licensing requirements vary from one jurisdiction to another. Be sure to contact the local boating authorities for information regarding the legal operation of a PWC in the intended jurisdiction of use.

Operation of this PWC with a disability that impairs vision, reaction time, judgment, or operation of the controls is not recommended.

Remember that sun, wind, fatigue or illness may impair your judgment and reaction time.

Each passenger must be able to simultaneously place both feet firmly flat against each footwell when properly seated.

### **Drugs and Alcohol**

Never ride after consuming alcohol or drugs. Riding on a watercraft requires the operator and passenger(s) to be sober, attentive and alert. The use of drugs and alcohol, singly or in combination, decreases reaction time, impedes judgment, impairs vision, and inhibits your ability to safely ride on a watercraft.

### **Safe Boating Courses**

Many countries recommend or require a boating safety course. Check with your local competent authorities.

### **Applicable Boating Laws**

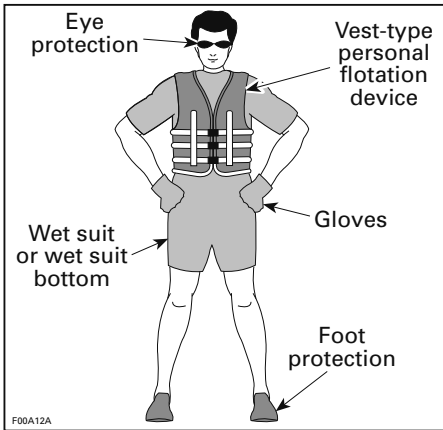
Check boating laws applicable to the waterways where you intend to use your watercraft. Learn the local navigation rules.

### **Protective Gear**

All riders **MUST** wear:

1. An approved **Personal Flotation Device (PFD)** meeting your country regulations. The size of the PFD shall be appropriate for the wearer.
2. **Shorts with neoprene** (wetsuit material) to keep water from being forcefully injected into rectum or vagina during a fall backward. Riders not wearing neoprene shorts have received severe rectal, vaginal, and internal injuries resulting in permanent damage. Normal swimwear does not adequately protect against forceful entry of water into the lower male or female body opening(s).

Footwear, gloves, safety goggles or glasses can be worn. Wind, water spray, bugs and speed may cause a person's eyes to water and create blurred vision.



If you are planning a ride in cold weather or water, consider adding appropriate warm clothing such as a complete wet suit or dry suit. Not only will it make your ride more comfortable, but it may delay or protect you from hypothermia if you fall into cold water. Be prepared for changing conditions.

## Helmets: Weighing the Risks vs Benefits

Since each option minimizes some risks, but increases others, before each ride you must decide whether to wear or not wear a helmet based on your particular situation. If you decide to wear a helmet, look for helmets that meet DOT or Snell standards, and if possible, choose one designed for motorized watersports.

Helmets are designed to offer some degree of protection in case of impacts to the head. In most motorized sports, the benefits of wearing a helmet clearly outweigh the drawbacks. However, in the case of motorized watersports such as riding personal watercraft, this is not necessarily true as there are some particular risks associated with the water.

### Benefits

A helmet helps to reduce the risk of injury in case of a head impact against a hard surface such as another craft in the case of a collision. Similarly, a helmet with a chin guard might help prevent injuries to the face, jaw or teeth.

### Risks

On the other hand, in some situations when falling off the watercraft, helmets have a tendency to catch the water, like a "bucket", and put severe stresses on the neck or spine. This could result in choking, severe or permanent neck or spine injury or death. Helmets may also interfere with peripheral vision and hearing, or increase fatigue which could contribute to increase the risk of a collision.

## Required Equipment

As the owner of the watercraft, you are responsible for ensuring that all required safety equipment is aboard. Check your local regulations about requirements.

This could include:

- Fire extinguisher. Maintenance, repair and refilling must be carried out in accordance with the manufacturer's instructions.
- A watertight flashlight or approved flares
- Sound-producing device (horn, whistle or bell etc.)
- Visual Distress Signal
- Phone in a watertight compartment designed for this application
- Current local map
- First aid kit
- Throw rope.

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## GET FAMILIAR WITH THE PWC

The performance of this watercraft may exceed the performance of other watercrafts you may have operated. Do not assume that all PWCs handle identically.

Make sure you read and understand the content of this Operator's Guide to become completely familiar with the controls and operation of the watercraft before embarking on your first trip, or taking on a passenger(s). If you have not had the opportunity to do so, practice driving solo in a suitable traffic-free area to become accustomed to the feel and response of each control. Be fully familiar with all controls before accelerating above idle speed.

### Jet thrust

Your pwc features a jet drive propulsion system. The water is drawn up from underneath the pwc from the intake grate and is accelerated by the venturi to produce thrust. This accelerated water is going out at the rear of the craft.

All riders must wear Shorts with neoprene (wetsuit material) to keep water from being forcefully injected into rectum or vagina during a fall backward. Riders not wearing neoprene shorts have received severe rectal, vaginal, and internal injuries resulting in permanent damage. Normal swimwear does not adequately protect against forceful entry of water into the lower male or female body opening(s).

The jet pump may pick up debris and throw it rearward causing a risk of injuring people, damaging the jet pump, or other property.

Do not start the engine or operate the watercraft if anyone is in the water nearby, or near the rear of the watercraft.

### Steering

Your watercraft has a steerable nozzle at the rear of the boat controlled by the handlebars which direct the stream of water from left to right. To turn the watercraft, both steering and throttle are necessary.

Do not release throttle when trying to steer away from objects — as with other powerboats, you need throttle to steer.

If the engine is shut off, steering is lost.

### Tether Cord

Keep the tether cord lip attached to the operator's PFD or wrist (wrist strap required) at all times and keep it free from snagging on the handlebars to help ensure the engine stops should the operator fall off.

If the operator falls off the watercraft and the tether cord is not attached as recommended, the watercraft engine will not stop and your pwc may continue to move forward. You may not be able to swim back to it.

After riding, always remove the tether cord from the engine cut-off switch to avoid unauthorized use by children or others and to prevent starting in a closed environment (ex: garage).

To prevent accidental starting, always detach the tether cord from the engine cut-off switch when swimmers are boarding, nearby, or during removal of any weeds or debris from the intake grate.

## Braking (if equipped with iBR)

Most watercrafts have no means of braking.

On some models, advancement in technologies now permits us to offer a braking system called the iBR (intelligent Brake and Reverse). Practice braking maneuvers in a safe traffic-free area to become familiar with handling under braking and with stopping distances under various operating conditions.

Stopping distance will vary depending on initial speed, load, wind, number of riders and water conditions. The amount of braking power commanded by the operator using the iBR lever will also affect stopping distance.

When braking, riders must brace themselves against the deceleration force to prevent from moving forward on the watercraft and losing balance.

When operating an iBR equipped watercraft, be aware that other boats following or operating in close proximity may not be able to stop as quickly. When at speed and the brake is first applied, a plume of water will shoot up in the air behind the watercraft which may cause the operator of the following watercraft to momentarily lose sight of your PWC. Inform the operator of a watercraft who intends to follow you in a convoy formation of the braking capability of your PWC, the meaning of the plume of water and the need of keeping a greater distance between watercraft.

The brake feature of the iBR system cannot prevent your PWC from drifting due to current or wind. It has no braking effect on the rearward velocity. Also note that your engine must be running to be able to use the brake.

## Learning Key (if equipped)

The Sea-Doo LK™ learning key limits the speed of the watercraft. It could be an option for first time users and less experienced operators to learn how to operate the watercraft.

Please consult your BRP authorized Sea-Doo dealer to see if this accessory is available for your model.

## Cargo and Storage

Do not store any objects in areas that are not designed specifically for storage.

Do not transport cargo on the rear platform unless it is properly secured with a BRP LinQ™ certified accessory. Compatible accessories which are not BRP certified may not be considered as fit for this purpose.

When carrying loads on the rear platform of the watercraft or onto cargo accessories, reduce your speed and adapt your driving behavior to reduce the risk of ejection from watercraft or contact with cargo possibly leading to injuries.

Do not exceed the payload or passenger capacities for your watercraft. Overloading can affect manoeuvrability, stability and performance. Also, heavy seas reduce capacity.

Never carry loads on the rear platform when practicing watersports. The cargo may interfere with the rope and unsecure it, becoming an obstacle to the person being towed.

Refer to *SPECIFICATIONS* for the maximum loading capacity.

## **Accessories and Modifications**

Do not make unauthorized modifications, or use accessories that are not approved by BRP. Since these changes have not been tested by BRP, they may increase the risk of accidents or injuries, and they can make the watercraft illegal for use on water.

Also, accessories are designed for specific applicable models only. It is not recommended for units other than the one (those) for which it was sold.

Know your technical limits when installing a BRP approved accessory and, when in doubt, have your OEM accessories installed by an authorized Sea-Doo dealer.

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# RIDE SAFELY

## Riding with Passenger(s)

The operator is responsible to inform and protect the passenger(s) invited to ride.

Instruct all passenger(s) to use the handholds, seat strap, or to hold on to the waist of the person in front of them. Each passenger must be able to simultaneously place both feet firmly flat against each footwell when properly seated.

Be sure riders are properly seated and holding on. Riders can be thrown off PWC during unexpected acceleration or aggressive operation. Avoid aggressive operation, sharp turns, and unexpected acceleration.

Falls can result in severe injury or death.

All riders must wear shorts with neoprene (wet suit material) to keep water from being forcefully injected into rectum or vagina during a fall backward. Riders not wearing neoprene shorts have received severe rectal, vaginal, and internal injuries resulting in permanent damage.

When going over waves, riders(s) may raise their body slightly off the seat to absorb the shocks with their legs.

When braking or decelerating, riders must brace themselves against the deceleration force to prevent from moving forward on the watercraft and losing balance.

Riding with passenger(s) makes the PWC handle differently and requires greater skill.

## Avoiding Collisions

Scan constantly for people, objects and other watercraft.

Stay far enough away from others so you can always safely coast to a stop. Do not release throttle when trying to steer away from objects – as with other powerboats, you need throttle to steer.

Be alert for conditions that may limit your visibility or block your vision of others.

Do not go near others to spray or splash them with water, go too close to other boats, or go too fast for traffic conditions. You may misjudge the ability of the watercraft or your own riding skills and strike a boat or person.

If your watercraft is equipped with a braking system, be aware that other boats following or operating in close proximity may not be able to stop as quickly.

Stopping distance will vary depending on initial speed, load, wind and water conditions. The amount of braking power commanded by the operator using the iBR lever will also affect stopping distance.

Although the preferable manoeuvre to avoid an obstacle is to steer away while applying throttle, the iBR can also be used by fully braking and turning in the direction to avoid the obstacle.

## Riding Behaviors

Ride within your limits and level of riding ability.

Scan constantly for people, objects and other watercraft. Stay far enough away from others so you can always safely coast to a stop.

Avoid aggressive operation, sharp turns, and unexpected acceleration that can cause riders to be thrown off.



Avoid riding in very rough waters or practicing extreme manoeuvres like jumping wakes or waves - jumping can cause injuries such as back or spinal injuries (paralysis).

## **Speeding**

Speeding While your watercraft has the capacity of operating at high speeds, it is strongly recommended that high-speed operation only be applied when ideal conditions exist and are permitted. Higher speed operation requires a higher degree of skill and increases the risk of severe injuries.

The forces generated on the body of riders while turning, negotiating waves or wakes, operating in choppy waters, or falling off the watercraft, especially at higher speeds, may cause injury including the possibility of broken bones or more serious bodily injuries.

## **Reboarding**

Reboarding Operator and passenger(s) need to know how to swim and how to re-board the PWC from the water. Boarding in deep water can be strenuous.

Also, make sure you and all passengers know how to reboard when accessories are installed at the rear. Board the watercraft from the rear and carefully get around the accessories. If you have difficulties, you should know how to remove the accessories and move them towards the front to provide better access to the boarding platform.

If the accessories are too heavy, swim toward the side, use passenger handhold and/or seat strap to lift yourself aboard.

Ask inexperienced riders to practice how to board the watercraft close to shore (all methods explained here) before venturing into deep water, especially when cargo is installed aboard on the rear platform.

To prevent accidental starting, always detach the tether cord from the engine cut-off switch when passenger(s) swimmers are boarding.

## **Moving Parts**

Never turn handlebar while someone is near the rear of watercraft. Keep away from steering moving parts (nozzle, iBR gate, linkages, etc.).

Keep away from the intake grate while the engine is running. Items such as long hair, loose clothing, or PFD straps can become entangled in moving parts.

Be aware of the iBR gate movement when starting the engine, shutting down the engine or using the iBR lever. Automatic movement of the gate may squeeze fingers or toes of people taking a hold on the back or your PWC.

## **Know the Waters**

Know the waters in which the watercraft is to be operated.

Current, tides, rapids, hidden obstacles, wakes and waves, etc., can affect safe operation. It is not advisable to operate the watercraft in rough waters or inclement weather. Keep an eye on the weather. Check local weather broadcasts before departure. Be alert to changing conditions.

Keep accurate and up-to-date charts of the boating area on board. Before getting underway, check water conditions in the planned boating area.

Ensure there is enough fuel on board for the planned trip. Always verify fuel level before use and during the ride. Apply the principle of 1/3 of the fuel to reach your destination, 1/3 to return, and keep 1/3 in reserve. Allow for changes due to adverse weather or other delays.

In shallow water, proceed with caution and at very low speeds. Grounding or abrupt stops may result in injury and watercraft damage. Debris may also be picked up and thrown rearward by the jet pump onto people.

## **Navigation Rules**

Always ride responsibly and safely. Use common sense and courtesy.

Operating a watercraft can be compared with driving on unmarked highways and roads. To prevent collisions or avoid other boaters, a system of operating rules must be followed. Generally keep to your right and safely avoid collisions by keeping a safe distance from other watercrafts, boats, people and objects.

Make sure you know and understand the navigation system applicable to the waterways where you intend to use the watercraft.

Navigational aids on shore or on waters, such as signs or buoys, can assist you in identifying safe waters. They can indicate:

- whether you should keep to the right (starboard) or to the left (port) of the buoy
- which channel you can continue
- whether you are entering a restricted or controlled area such as a no wake or low speed zone
- hazards
- speed limits, no power craft or boating, anchorage and other useful information.

Respect no wake zones, the environment, and the rights of other users of the waterways.

## **Night-Time Operation**

PWCs are not designed for night-time operation.

## **Carbon Monoxide Poisoning**

All engine exhaust contains carbon monoxide, a deadly gas. Breathing carbon monoxide can cause headaches, dizziness, drowsiness, nausea, confusion and eventually death.

Carbon monoxide is a colorless, odorless, tasteless gas that may be present even if you do not see or smell any engine exhaust. Deadly levels of carbon monoxide can collect rapidly, and you can quickly be overcome and unable to save yourself. Also, deadly levels of carbon monoxide can linger for hours or days in enclosed or poorly ventilated areas. If you experience any symptoms of carbon monoxide poisoning, leave the area immediately, get fresh air and seek medical treatment.

To prevent serious injury or death from carbon monoxide:

- Never run the watercraft in poorly ventilated or partially enclosed areas such as boat houses, garage, seawalls or other boats in close proximity. Even if you try to ventilate engine exhaust, carbon monoxide can rapidly reach dangerous levels.
- Never run the watercraft outdoors where engine exhaust can be drawn into a building through openings such as windows and doors.
- Never stand behind the watercraft while the engine is running. A person standing behind a running engine may inhale high concentrations of exhaust fumes.

After riding, always remove the tether cord from the engine cut-off switch to avoid unauthorized use by children or others and to prevent starting in a closed environment (ex: garage).

## **Gasoline Fires and Other Hazards**

Gasoline is extremely flammable and highly explosive. Fuel vapors can spread and be ignited by a spark or flame many feet away from the engine. To reduce the risk of fire or explosion, follow these instructions:

- Use only an approved red gasoline container to store fuel.
- Strictly adhere to the instructions in *FUELING* section.
- Never start watercraft if gasoline or gasoline vapor odors is present in the engine compartment.
- Never start or operate the engine if the fuel cap is not properly secured.
- Do not carry gasoline containers in the front storage compartment.
- Use only a BRP approved LinQ fuel caddy, which shall be properly installed and secured. Never tow a skier or wakeboarder while having a fuel caddy installed. Never refill the fuel caddy on the PWC, refill on shore.

Gasoline is poisonous and can cause injury or death.

- Never siphon gasoline with your mouth.
- If you swallow gasoline, get any in your eyes, or inhale gasoline vapors, see a doctor immediately.

If gasoline is spilled on you, wash thoroughly with soap and water and change your clothes.

## **Burns From Hot Parts**

Certain components may become hot during operation. Avoid contact during and shortly after operation to avoid burns.

## **Watersports (Towing with the PWC)**

### **Attachment and Towing Devices**

Certain PWC models come equipped with tow eyelets or a ski pylon.

Use ski pylon to attach a tow rope for a skier or wake boarder.

Use rear tow eyelet to attach a tow rope for a tube.

Do not use these attachment points or any other portion of the watercraft to tow a parasail, kites, gliders or any devices which can become airborne or for pulling any other craft. Personal injury or severe damage may occur.

Never carry loads on the rear platform when practicing watersports. The cargo may interfere with the rope and unsecure it, becoming an obstacle to the person being towed.

### PWC Capacity When Towing

Always carry an observer to observe the person being towed and inform the operator about the participants' hand signals. The operator must focus his attention on operating the watercraft and the waters ahead.

You need to have seats for everyone: operator, observer, towed person. Therefore, if you are the only vessel, a 3-seater PWC is necessary and you can tow only one person.

### Towing and Observing

If you have never towed someone behind your PWC before, it is a good idea to spend some hours as an observer, working with and learning from an experienced operator. It is also important to be aware of the skill and experience of the person being towed.









Pulling a tube, skier or wakeboarder makes the watercraft handle differently and requires greater skill.

Always respect the safety and comfort of the person being towed.

Proceed with only as much speed as required and follow the observers' instructions.

Do not make tight sharp turns or use the braking system unless absolutely necessary. Remember that although this PWC is manoeuvrable and has stopping capabilities, the person in tow may not be able to avoid an obstacle, or your the PWC.

If you are the observer, make sure you and the person being towed know the hand signals.

HAND SIGNALS			
<p><b>1. Speed up</b></p> <p>Thumbs up</p>		<p><b>5. Cut motor</b></p> <p>Slashing hand across throat</p>	
<p><b>2. Slow down</b></p> <p>Thumbs down</p>		<p><b>6. OK after all</b></p> <p>Hands clasped over the head</p>	
<p><b>3. Turn</b></p> <p>Circling motion above head followed by pointing in the direction of the turn</p>		<p><b>7. Stop</b></p> <p>Hand raised with fingers outstretched</p>	
<p><b>4. Back to shore</b></p> <p>Pat top of head</p>		<p><b>8. All OK</b></p> <p>An "0" made with the thumb and index finger</p>	

Give immediate attention to a person who has fallen. He or she is vulnerable in the water alone and may not be seen by other boaters.

Participate in watersports only in safe areas. Stay away from other boats, channels, beaches, restricted areas, swimmers, and heavily travelled waterways and underwater obstructions.

### **Tow Rope**

Never wrap the tow rope around your wrist, hand or any body part. The rope may suddenly lose its slack and cause you serious injuries such as amputation.

Both the operator and observer shall monitor the location of the tow rope when participating in watersports. A slack tow rope can become entangled with a person(s) or objects on the PWC or in the water, particularly when making a tight turn or circling, and cause serious personal injury.

Do not pull the tow rope in front of other boats and be careful not to run over the rope with the PWC because it could get trapped in the jet pump.

Do not tow a person in any watersport on a short tow rope such that the person inhales exhaust fumes in concentration. Inhalation of concentrated exhaust fumes, which contain carbon monoxide, can result in CO poisoning, personal injury and death.

Use a tow rope of sufficient length and size and make sure it is adequately secured to your watercraft.

Always store tow rope when not in use. While some watercrafts are equipped or can be fitted with a specially designed towing mechanism, avoid installing a tow pole on a PWC. It can become a hazard should someone fall on it.

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# PRACTICES EXERCISES

It is always a good idea to practice and get familiar with all controls, functions and handling characteristics of your watercraft before venturing on the water.

## Where to Practice Exercises

Find a suitable area to practice the exercises. Ensure the area meet the following requirements:

- No traffic
- No obstacles
- No swimmers
- No current
- Ample space to maneuver
- Water depth is adequate.

## Practice Exercises

Practice alone the following exercises.

### Turning

Practice turning in circles in both directions at slow speed.

When comfortable with the exercise, increase difficulty by making some figure 8.

When this is mastered, repeat the above exercises but at increased speed.

### Stopping Distances

Practice stopping the watercraft in a straight line at various speeds and braking force. Remember that watercraft speed, load, water conditions, current and wind also affect stopping distances.

Practice releasing the throttle while going at speed and feel the deceleration rate with different speed.

Repeat exercise, but this time while applying iBR lever (if equipped). Note that the iBR system takes control of the throttle.

### Steering and Avoiding an Obstacle

Practice obstacle avoidance (choose a virtual point on the water) by steering watercraft and maintaining throttle.

Repeat exercise, but this time release throttle while turning.

Repeat exercise, but this time while applying iBR lever (If equipped). Note that the iBR system takes control of the throttle.

**NOTE:** With this exercise, you will learn that you need throttle to steer the watercraft in a different direction.

### Reverse

Practice reverse operation to learn how the watercraft operates in reverse and reacts with steering inputs.

**NOTE:** Remember that steering direction is reversed when backing.

## **Docking**

Practice docking using the throttle, the steering and the iBR (if equipped) to become familiar with the response of the PWC and to develop good control skills.

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# FUELING

## Fueling Procedure

Fuel is flammable and explosive under certain conditions. Do not smoke or allow open flames or sparks in the vicinity.

1. Stop engine.
2. Have the operator and passenger(s) get out of watercraft.
3. If on the water, moor the watercraft securely to the dock.
4. Unscrew slowly the fuel cap counterclockwise to stabilize pressure before removing it.

**NOTE:** A short whistling sound is normal.

5. Insert the spout into the filler neck.

**NOTE:** Be certain that you are putting fuel in the right location and not using a ventilation hole or ski pylon hole by mistake.

6. Pour fuel slowly so the air can escape from the tank and prevent fuel flow back. Be careful not to spill fuel.
7. Stop filling after the release of the gas pump nozzle handle and wait a moment before removing the spout. Do not retract the gas pump nozzle to put more fuel into the fuel tank. Do not overfill.
8. Reinstall the fuel cap and fully tighten it.
9. Always wipe off any fuel spillage from the watercraft.
10. After refueling, always open or remove the seat or the lateral panel (depending on models) and ensure there is no gasoline odor inside the engine compartment. Do not start watercraft if you smell gasoline odor.

## Fuel Requirements

**NOTICE** Always use fresh gasoline.

Gasoline will oxidize; the result is loss of octane, volatile compounds, and the production of gum and varnish deposits which can damage the fuel system.

Alcohol fuel blending varies by country and region. Your vehicle has been designed to operate using the recommended fuels, however, be aware of the following:

- Use of fuel containing alcohol above the percentage specified by government regulations is not recommended and can result in the following problems in the fuel system components:
  - Starting and operating difficulties.
  - Deterioration of rubber or plastic parts.
  - Corrosion of metal parts.
  - Damage to internal engine parts.
- Inspect frequently for the presence of fuel leaks or other fuel system abnormalities if you suspect the presence of alcohol in gasoline exceeds the current government regulations.
- Alcohol blended fuels attract and hold moisture which may lead to fuel phase separation and can result in engine performance problems or engine damage.



## Recommended Fuel

Use common unleaded gasoline with an AKI (RON+MON)/2 octane rating of 87, or an RON octane rating of 91.

Use unleaded gasoline containing MAXIMUM 10% ethanol. The gasoline must have the following minimum octane requirements:



**NOTICE** Never experiment with other fuels. Engine or fuel system damages may occur with the use of an inadequate fuel.

**NOTICE** Do NOT use fuel from fuel pumps labeled E85.

Use of fuel labeled E15 is prohibited by U.S. EPA Regulations.

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## TRAILERING INFORMATION

**NOTICE** The span of the trailer bunks including bunk width should be adjusted to provide support throughout the full length of the hull. The ends of both trailer bunks should not exceed the length of the watercraft.

Ensure the trailer wheels are positioned so that the center of gravity of the watercraft is slightly ahead of the wheels to properly support the weight of the watercraft.

Carry the watercraft in its normal operating position.

Check the applicable laws and regulations in your area concerning towing a trailer, especially for the following items:

- Brake system
- Tow vehicle weight
- Mirrors.

Respect tow vehicle maximum weight capacity and the tongue weight capacity as recommended by the manufacturer.

Tie the watercraft to both front and rear (bow/stern) eyelets so that it is firmly secured on the trailer. Use additional tie-downs if necessary.

Ensure fuel tank cap, front storage compartment cover, glove box cover, boarding platform and seat are properly latched.

Remove all cargo and equipment attached.

Observe trailering safety precautions.

Do not route ropes or tie-downs over the seat or attach them to the grab handle to avoid these parts permanently damaged. Wrap ropes or tie-downs with rags or similar protectors where they can come into contact with the watercraft body.

A Sea-Doo cover can protect the watercraft, particularly when driving on dirt roads, to prevent dirt entry through the air inlet openings.

When trailering 2 watercrafts, it may be necessary to remove the inner wakeboard rack, if equipped.

For more information, see the following video: SEA-DOO HOW TO SERIES - PROPER WATERCRAFT TRAILERING

<https://www.youtube.com/watch?v=mXtHWIdt7yl>

Or, use the following QR code.



# IMPORTANT ON-PRODUCT LABELS

## Hang Tag

This PWC comes with hang tags and labels containing important safety information.

Any person who rides this vehicle must read and understand this information before riding.

SEA-DOO<sup>®</sup>  
HASSLE-FREE  
MAINTENANCE  
SCHEDULE

STOP

PEACE OF MIND

BEST IN CLASS

- ✓ FIRST INSPECTION ONLY AFTER 1 FULL SEASON \*\*
- ✓ FIRST OIL CHANGE ONLY AFTER 100 HOURS \* OR 1 YEAR †  
\*100 hours for all units except models equipped with Rotax<sup>®</sup> 1630 ACE™ engine
- ✓ NO VALVE CLEARANCE ADJUSTMENT EVER

Refer to your owner's manual for all maintenance requirements.

**iBR**<sup>®</sup>

INTELLIGENT BRAKE AND REVERSE

THIRD GENERATION

- Allows you to stop close to 160 feet (48 m) sooner for greater peace of mind .
- First and only true brake on a watercraft recognized by the U.S. Coast Guard for improving boating safety since 2009.
- The Third Generation includes a new reverse gate for more precise and responsive control when braking and docking.

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**SEA-DOO** 

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## The Star Label means Cleaner Marine Engines

This engine has been certified as:



### The Symbol for Cleaner Marine Engines:

Cleaner Air and Water

For a healthier lifestyle and environment.

Better Fuel Economy

Burns up to 30-40 percent less gas and oil than conventional carbureted two-stroke engines, saving money and resources.

Longer Emission Warranty

Protects consumer for worry free operation.

219902678



### One Star-Low emission

The one-star label identifies personal watercraft, outboard, sterndrive and inboard engines that meet the Air Resources Board's Personal Watercraft and Outboard marine engine 2001 exhaust emission standards. Engines meeting these standards have 75% lower emissions than conventional carbureted two-stroke engines. These engines are equivalent to the U.S. EPA's 2006 standards for marine engines.



### Two Stars-Very Low emission

The two-star label identifies personal watercraft, outboard, sterndrive and inboard engines that meet the Air Resources Board's Personal Watercraft and Outboard marine engine 2004 exhaust emission standards. Engines meeting these standards have 20% lower emissions than One Star - Low-Emission engines.



### Three Stars-Ultra Low emission

The three-star label identifies engines that meet the Air Resources Board's Personal Watercraft and Outboard marine engine 2008 exhaust emission standards or the Sterndrive and Inboard marine engine 2003 exhaust emission standards. Engines meeting these standards have 65% lower emissions than One Star - Low Emission engines.



### Four Stars-Super Ultra Low emission

The four-star label identifies engines that meet the Air Resources Board's Sterndrive and Inboard marine engine 2009 exhaust emission standards. Personal Watercraft and Outboard marine engines may also comply with these standards. Engines meeting these standards have 90% lower emissions than One Star - Low Emission engines.

**BOMBARDIER RECREATIONAL PRODUCTS INC.**  
**VALCOURT, QUÉBEC, CANADA**  
 Cleaner Watercraft - Get the facts 1-800-END-SMOG  
[www.arb.ca.gov](http://www.arb.ca.gov)

219902678

**⚠ WARNING.** Operating, servicing and maintaining a recreational marine vessel can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, service your vessel in a well-ventilated area and wear gloves or wash your hands frequently when servicing this vessel.



For more information go to  
[www.P65warnings.ca.gov/products/marine](http://www.P65warnings.ca.gov/products/marine)

219905280

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## Watercraft Safety Labels

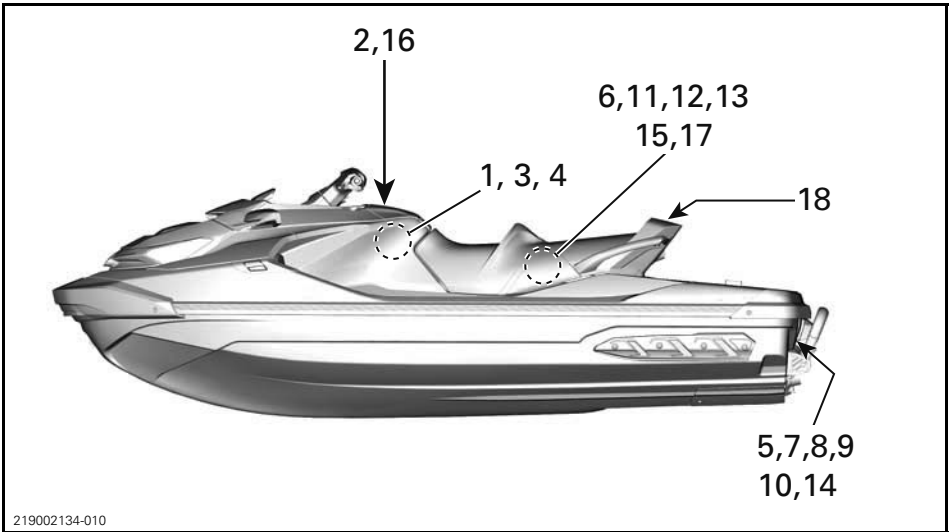
These labels are affixed to the vehicle for the safety of the operator, passengers (2 and 3-UP) or bystanders

The labels illustrated on the following pages are on your watercraft. If missing or damaged, they can be replaced free of charge. See an authorized Sea-Doo dealer.

Please read the following labels carefully before operating this watercraft.

The first illustration of the watercraft indicates the approximate locations of the various labels. A dotted line indicates that the label is not on the outer surface, and that the seat or a cover of some type must be opened to see the label.

**NOTE:** In the event of any discrepancy between this guide and the vehicle, the safety labels on the vehicle have precedence over the labels in this guide.



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### ⚠ AVERTISSEMENT

- Après avoir fait le plein toujours ouvrir le siège afin de s'assurer qu'il n'y ait pas d'émanation d'essence dans le compartiment moteur.
- Les émanations d'essence peuvent provoquer des incendies ou des explosions.
- Éviter de trop remplir le réservoir d'essence. • Éviter de renverser de l'essence.
- Essayer immédiatement l'essence renversée • Cerner la motomarine à l'écart des flammes et des étincelles. • Ne pas démarrer la motomarine en présence d'essence liquide ou d'émanation d'essence. • Toujours remettre le siège en place avant de démarrer la motomarine.

### ⚠ WARNING

- After refueling, always open the seat to ensure there is no gasoline vapor odor inside the engine compartment.
- Gasoline vapor may cause fire or explosion.
- Do not overfill gas tank. • Avoid spilling gasoline. • Wipe up spilled gasoline immediately.
- Keep the watercraft away from open flames and sparks.
- Do not start watercraft if liquid gasoline or gasoline vapor odor is present.
- Always replace the seat before starting.



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LABEL 1

## ⚠ WARNING

### Require Proper Operation of the Boat

Improper operation can result in severe injury or death.

**16+** **Operators Must Be Qualified**  
 Make sure operator is 16 or older and has taken a boater safety course. Your state (or province) may have additional requirements.

**Operators Must Avoid Collisions**

- ✔ Scan constantly for people, objects and other watercraft.
- ✔ Stay far enough away from others so you can always safely coast to a stop.
- ✘ Do not release throttle when trying to steer away from objects—as with other powerboats, **you need throttle to steer.**

**Read Operator's Guide**  
 Watch safety video.  
<https://www.sea-doo.com/owners/safety/safety-video.html>

**Protect All Riders**

- ✔ **Wear shorts with neoprene (wet suit material) and an approved PFD (personal flotation device)** - see Rider Safety section of this label.  
 Tell riders to read the Rider Safety section and make sure they are dressed appropriately.
- ✘ Do not apply throttle when anyone is boarding or at rear of PWC.
- ✔ Be sure riders are properly seated and holding on.
- ✔ Avoid aggressive operation, sharp turns, and unexpected acceleration that can cause riders to be thrown off.
- ✘ Do not jump waves or wakes – jumping can cause injuries such as back or spinal injuries (paralysis).

**Do Not Permit Reckless Operation:**

- ✘ Do not go near others to spray or splash them with water, go too close to other boats, or go too fast for traffic conditions.
- ✘ Never ride after consuming alcohol or drugs.




## RIDER SAFETY

### Falls Can Result in Severe Injury or Death

- ✔ **You must wear shorts with neoprene (wet suit material) to keep water from being forcefully injected into rectum or vagina during a fall backward.** Riders not wearing neoprene shorts have received severe rectal, vaginal, and internal injuries resulting in permanent damage.
- ✔ You must wear an approved PFD (personal flotation device).
- ✔ **Be sure you are properly seated and holding on.** Riders can be thrown off PWC during unexpected acceleration or aggressive operation.
- ✘ Never ride after consuming alcohol or drugs.

**Do not ride if you are not dressed appropriately.**



Wear PFD

Wear Neoprene



See Operator's Guide

Patents :  
[www.brp.com/en/about-brp/patents.html](http://www.brp.com/en/about-brp/patents.html)

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LABEL 2

**⚠ AVERTISSEMENT**

- Enlever la batterie du bateau avant de la charger.
- Ne pas trop charger la batterie.
- Un chargement excessif pourrait faire exploser la batterie.

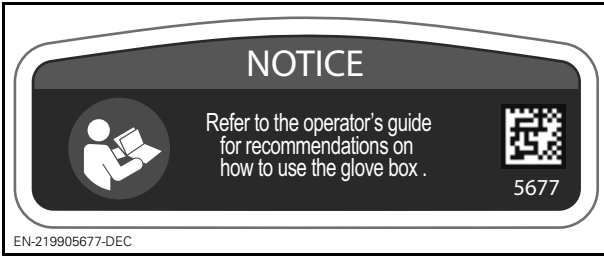
**⚠ WARNING**

- Remove battery from boat before charging.
- Do not overcharge battery.
- Improper charging of battery can cause explosion.

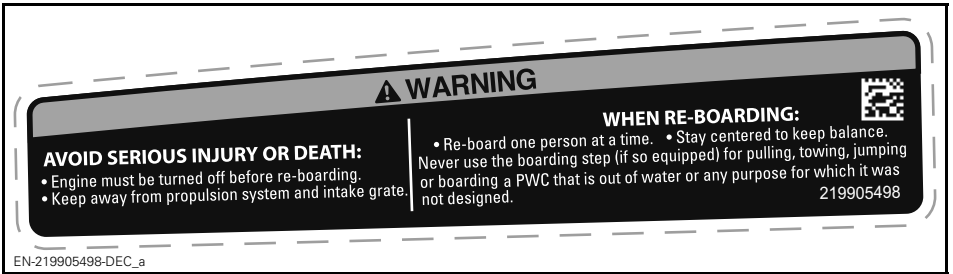
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LABEL 3



LABEL 4



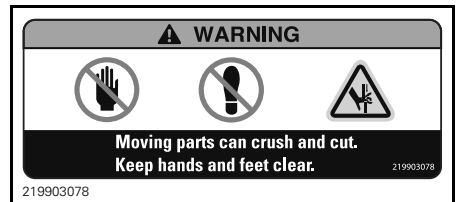
LABEL 5



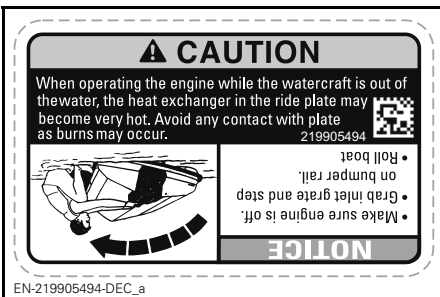
LABEL 6: TYPICAL



LABEL 8



LABEL 9



LABEL 7



LABEL 10



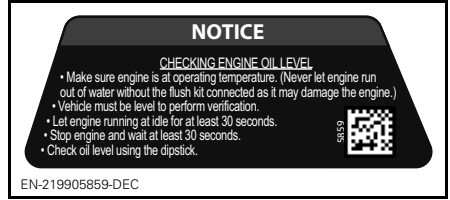
LABEL 11



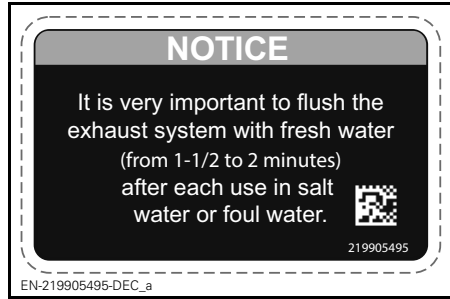
LABEL 12



LABEL 12



LABEL 13



LABEL 14



LABEL 15



**iBR  
INSTRUCTIONS**

**iBR INTELLIGENT BRAKE AND  
REVERSE FUNCTIONS:**

**How to brake**

- Squeeze brake lever

**How to reverse**

- Maintain brake lever engaged

**How to go forward**

- Tap throttle lever to engage forward movement from neutral position.

Squeeze throttle lever to accelerate

**How to get to neutral**

- Tap brake lever

Refer to the operator's  
guide for more  
information.



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LABEL 16

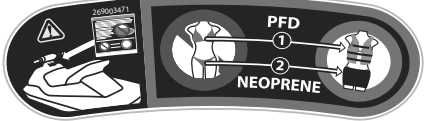
**NOTICE**

- To comply with noise regulations, this engine is designed to operate with an air intake silencer.
- Operation without air intake silencer or with one not properly installed may cause engine damage.

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LABEL 17

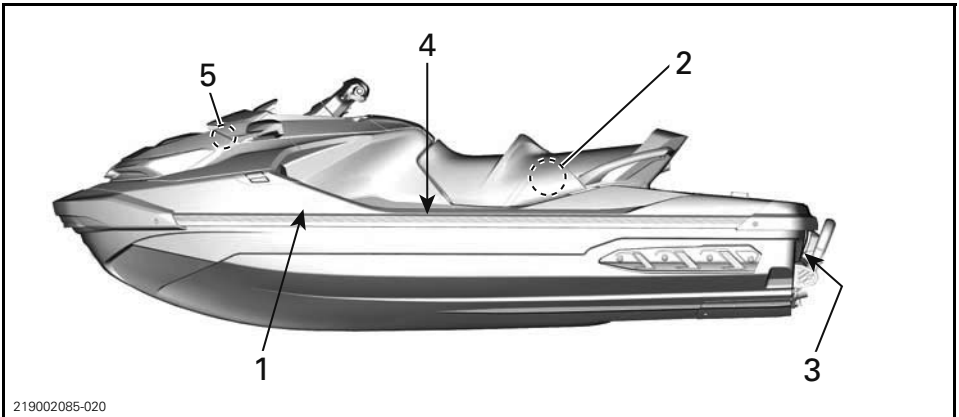


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LABEL 18

## Compliance Labels





LABEL 1

EMISSION CONTROL SYSTEM INFORMATION	
BOMBARDIER RECREATIONAL PRODUCTS INC.	
THIS ENGINE CONFORMS TO U.S. EPA & CALIFORNIA EMISSIONS REGULATIONS FOR MARINE SI ENGINES.	
RENSEIGNEMENT SUR LE DISPOSITIF ANTIPOLLUTION DE L'ÉPA CE MOTEUR EST CONFORME AUX NORMES DE L'ÉPA DES É.-U. POUR LES MOTEURS MARINS À ALLUMAGE COMMANDE.	
ENGINE FAMILY / FAMILLE DE MOTEUR	
(EPA) (FEL)	CERTIFICATION STANDARDS NORMES DE CERTIFICATION
(CA) (FEL)	EMISSION CONTROL SYSTEM SYSTÈME DE CONTRÔLE DES ÉMISSIONS
MEETS CALIFORNIA EVAP EMISSIONS REGULATIONS FOR SPARK IGNITION MARINE WATERCRAFT. EVAP FAMILY EVAPORATIVE EMISSION CONTROL SYSTEM; SO SEE OPERATOR'S GUIDE FOR MAINTENANCE SCHEDULE AND FUEL, OIL AND SPARK PLUG SPECIFICATIONS. VOIR LE CALENDRIER D'ENTRETIEN ET LES SPECIFICATIONS D'ESSENCE, D'HUILE ET DE BOUGIE D'ALLUMAGE DANS LE GUIDE DE L'OPÉRATEUR. <span style="float: right;">219905703</span>	
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**LABEL 2 - APPLICABLE FOR ALL MODELS  
IN CANADA AND UNITED STATES.  
APPLICABLE FOR MODELS EVERYWHERE  
EXCEPT CANADA AND UNITED STATES  
WHEN EQUIVALENT TO A MODEL  
CERTIFIED TO US. EPA STANDARDS**










THIS BOAT IS MANUFACTURED BY BOMBARDIER RECREATIONAL PRODUCTS INC. PER 46 U.S.C. 4305 AND U.S. COAST GUARD GRANT OF EXEMPTION (CGB 88-001). THE COAST GUARD EXEMPTS THIS VESSEL FROM ONE OR MORE SAFETY REGULATIONS. CGB 88-001 STATES THAT CERTAIN REGULATIONS ARE INAPPLICABLE IN LIGHT OF THIS VESSEL'S CHARACTERISTICS AND THAT THE EXEMPTION WILL NOT HAVE AN ADVERSE EFFECT ON RECREATIONAL BOATING SAFETY. THIS BOAT COMPLIES WITH U.S. COAST GUARD SAFETY STANDARDS IN EFFECT ON THE DATE OF CERTIFICATION. ALL PERSONS SHOULD WEAR A LIFEJACKET (PERSONAL FLOTATION DEVICE) WHILE OPERATING OR RIDING ON THIS WATERCRAFT.

**ASSEMBLED IN MEXICO**

5497

EN-219905497-DEC\_a

LABEL 3

<b>CANADIAN COMPLIANCE NOTICE AVIS DE CONFORMITÉ CANADIEN</b>	
MAXIMUM RECOMMENDED SAFE LIMITS LIMITES MAXIMALES DE SÉCURITÉ RECOMMANDÉES	
MAX. 	kg lbs/lb
MAX.  + 	kg lbs/lb
CATEGORY / CATÉGORIE: <b>C</b>	
MAXIMUM WAVE / VAGUE MAXIMALE: 2.0 m	
MAXIMUM WIND SPEED / VITESSE DE VENT MAXIMALE: 33 knots/noeuds	
BOMBARDIER RECREATIONAL PRODUCTS INC. (YDV) VALCOURT, QUEBEC, CANADA SKALDENSTRAAT 125, GENT, 9042, BE	
MODEL / MODÈLE :	
THE MANUFACTURER DECLARES THAT THIS PRODUCT COMPLIES WITH THE CONSTRUCTION REQUIREMENTS OF THE SMALL VESSEL REGULATIONS, AS THEY READ ON THE DAY ON WHICH THE CONSTRUCTION OF THE VESSEL WAS STARTED OR ON THE DAY ON WHICH THE VESSEL WAS IMPORTED. LE FABRICANT ATTESTE QUE CE PRODUIT EST CONFORME AUX EXIGENCES DE CONSTRUCTION DU REGLEMENT SUR LES PETITS BÂTIMENTS EN VIGUEUR À LA DATE DU DÉBUT DE SA CONSTRUCTION OU DE SON IMPORTATION.	
MAXIMUM CAPACITIES ABOVE INFORMATION ALSO APPLIES IN THE U.S.A.	
      CAN ICES-2/ NMB-2	
EN-219905864-DEC	



704907278-DEC

LABEL 5 - LOCATED NEAR GAS CAP

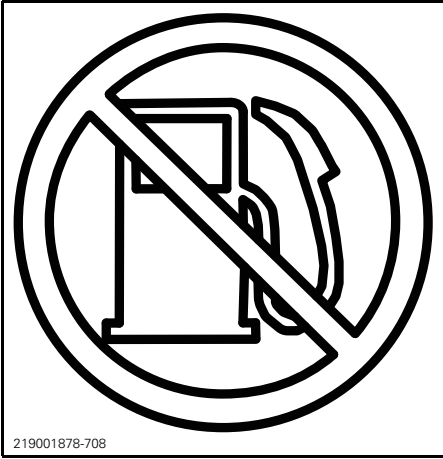
LABEL 4 - LOCATED INSIDE THE LH FOOTREST.

## Molded Safety Pictogram



**⚠ WARNING**

Never put gasoline in ski pylon hole. Gasoline is extremely flammable and highly explosive. Fuel vapors can spread and be ignited by a spark or flame many feet away.



LABEL 1

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## **PRE-RIDE INSPECTION**

Perform a pre-ride inspection before each ride to detect potential problems during operation. The pre-ride inspection can help you monitor wear and deterioration before they become a problem. Correct any problems that you discover to reduce the risk of an accident or a malfunction.

Before performing the pre-ride inspection, read and understand the *CONTROLS* section.

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## **REGULAR MAINTENANCE**

We encourage you to have an Annual Safety Inspection of your vehicle. Please contact an authorized BRP dealer for further details.

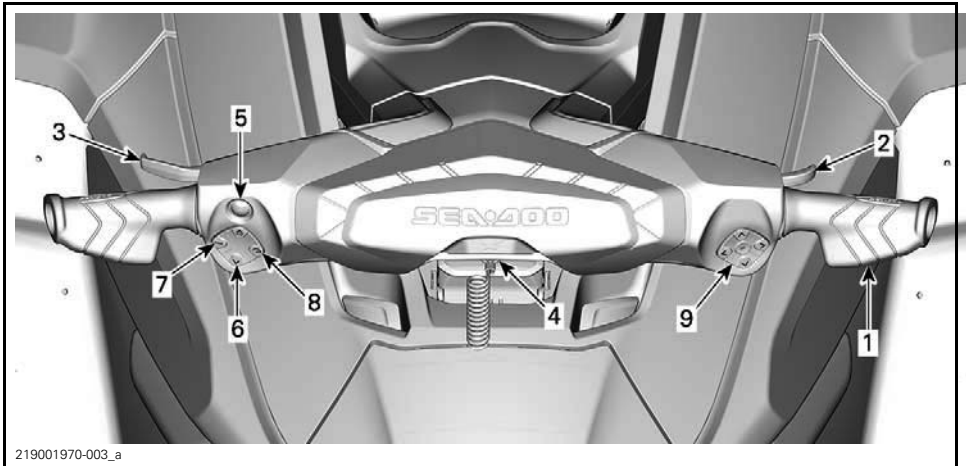
It is also recommended that an authorized Sea-Doo dealer performs the preseason preparation of your vehicle.

Each visit to your authorized Sea-Doo dealer is a great opportunity for your dealer to verify if your vehicle is included in any safety campaign. We also urge you to visit your authorized Sea-Doo dealer in a timely manner if you become aware of any safety related campaigns.

# ***WATERCRAFT INFORMATION***

# CONTROLS

Some vehicle safety labels are not shown on illustrations. For information on vehicle safety labels, refer to *WATERCRAFT SAFETY LABELS*.



TYPICAL

**NOTE:** Some indications, functions and features described in this section may not apply to every PWC model, or may be available as an option.

## 1) Handlebar

The handlebar controls the direction of the watercraft. During forward operation, turning the handlebar to the right steers the watercraft to the right and inversely.

### **⚠ WARNING**

Check handlebar and corresponding steering nozzle operation before starting. Never turn handlebar while someone is near the rear of the watercraft. Keep away from propulsion system.

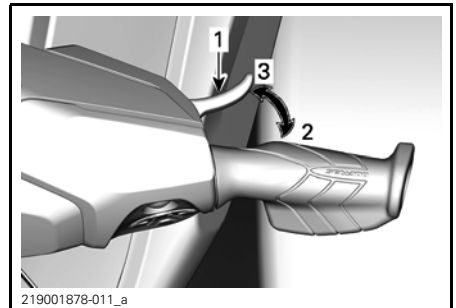
When operating in reverse, steering direction is reversed. Turning the handlebar to the right while backing up steers the watercraft to the left.

## 2) Throttle Lever

The throttle lever on the RH handlebar controls electronically the engine speed.

To increase or maintain watercraft speed, pull the throttle lever with your finger.

To decrease watercraft speed, release the throttle lever.



1. Throttle lever
2. To accelerate
3. To decelerate

The throttle lever is spring loaded and should return to rest position (idle) when not pressed.

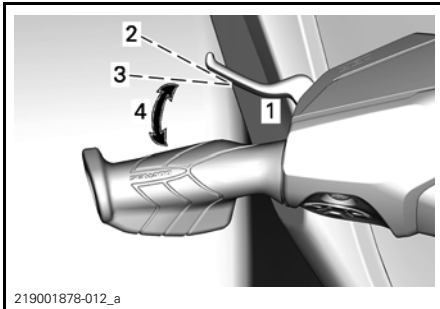


### 3) iBR Lever (if equipped)

The iBR lever on the LH handlebar can electronically command:

- Brake
- Reverse
- Neutral.

**NOTE:** A minimum of 25% of iBR lever stroke is required to activate iBR functions.



#### TYPICAL

1. iBR lever
2. Lever rest position
3. 25% stroke required to activate iBR functions
4. Operating range

At speed above 14 km/h (9 MPH), pulling the iBR lever will engage the brake.

**NOTE:** If water current is 14 km/h (9 MPH) or above, the reverse can not be engaged as the speed threshold for the reverse is exceeded.

At speed below 14 km/h (9 MPH), pulling the iBR lever will engage reverse.

When the iBR lever is released after braking or reverse operation, the neutral is engaged.

### **⚠ WARNING**

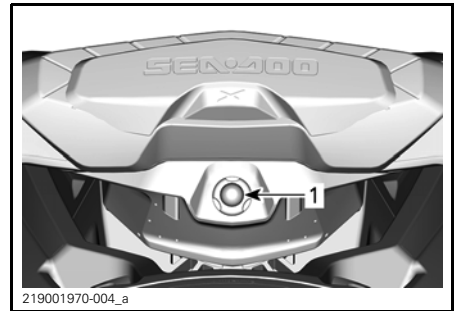
If throttle lever is still pulled in when releasing the iBR lever, forward movement will be initiated after a short delay. If forward acceleration is not desired, release the throttle lever.

**NOTE:** The neutral position can be fine tuned by trimming the iBR system.

Refer to *OPERATING INSTRUCTIONS* for detailed instructions.

### 4) Engine Cut-Off Switch

The engine cut-off switch is located in the middle of the handlebar.



#### TYPICAL

1. Engine cut-off switch

To allow engine starting, the tether cord cap must be securely snapped to the engine cut-off switch.

### **⚠ WARNING**

Always attach the tether cord clip to the operator's personal flotation device (PFD) or wrist (wrist strap required).



#### TYPICAL

1. Tether cord cap on the engine cut-off switch
2. Tether cord secured to operator's PFD

To stop engine, pull the tether cord cap from the engine cut-off switch.

### **⚠ WARNING**

Should the engine be stopped, the brake function and all watercraft directional control is lost.

### **⚠ WARNING**

Always disconnect tether cord when watercraft is not in operation in order to prevent accidental engine starting or to avoid unauthorized use by others, children, and to prevent theft.

## **Radio Frequency Digitally Encoded Security System (RF D.E.S.S.)**

The tether cord cap contains an electronic circuit (D.E.S.S.™ key) that is programmed to give it a unique electronic serial number. This is the equivalent of a conventional key.

The D.E.S.S. system reads the key installed on the engine cut-off switch and only allows engine starting for keys it recognizes.

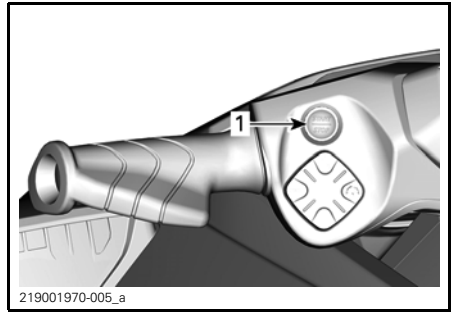
The D.E.S.S. system brings great flexibility. You can buy additional tether cords and have the D.E.S.S. keys programmed for your watercraft.

A total of ten D.E.S.S. keys can be programmed.

To have a key programmed to your watercraft, see your authorized BRP Sea-Doo dealer.

## **5) Engine START/STOP Button**

The engine START/STOP button is located on the LH handlebar.



TYPICAL

1. START/STOP button

## **Engine Starting and Stopping**

Refer to *OPERATING INSTRUCTIONS* for complete procedures on how to start and stop the engine.

## **Waking Up the Electrical System**

Press the START/STOP button once without installing the tether cord on the engine cut-off switch.

This will power up the electrical system; the information center will cycle through a self-test function.

The electrical system will stay powered up for approximately 75 seconds after the START/STOP button was depressed.

When the tether cord is installed on the engine cut-off switch, the system will be powered for 60 minutes.

Every time the START/STOP button is pressed, the countdown restarts. When the battery voltage drops below 12.3V, the LOW BATTERY indicator lamp will light up and the electrical system will shut down after 75 seconds.

## **Post-Drive Battery Management**

This feature allows keeping the electrical system awake to allow using accessories when the engine is turned off. It also prevents draining the battery too much when using accessories. When the battery voltage reaches 12.3V or less, the system will automatically shut down to ensure being able to start the engine.

When the electrical system is activated by pressing start-stop briefly while the engine is shutdown the wake-up time will be managed as follows:

- Key off: System will shut down after 75 seconds.
- Key on: System will shut down after 60 minutes or if the voltage threshold is reached.

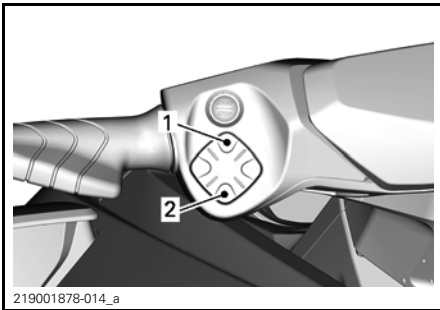
## 6) VTS (Variable Trim System) Button

It provides watercraft pitch trim adjustments by adjusting the vertical position of the jet nozzle.

The VTS can be electrically trimmed to desired attitude, or to one of three pre-set trim positions (full up, middle and full down).

Refer to *OPERATING INSTRUCTIONS* for details.

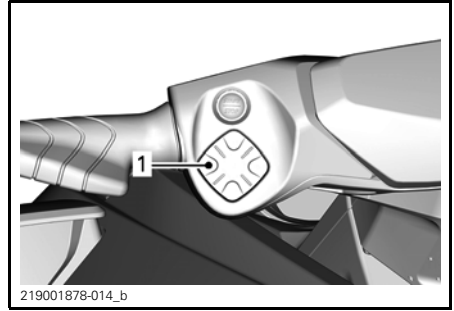
**NOTE:** The VTS button is used for Neutral adjustment. This is to adjust the neutral position of the watercraft. Refer to *OPERATING MODES* for details



1. Bow up
2. Bow down

## 7) Mode Button

The Mode button is located on the LH handlebar.



1. Mode button

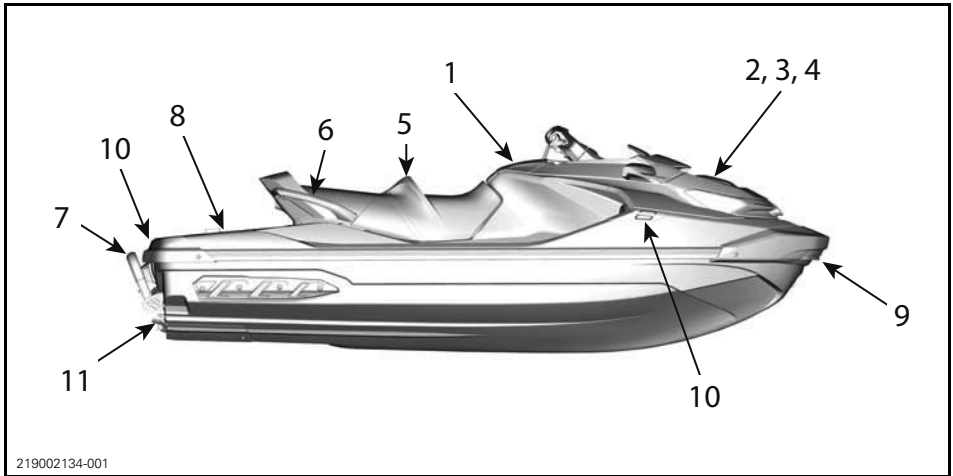
It is used to choose between Default, Sport, Eco and Ski mode, if equipped.

Refer to *OPERATING MODES* for details.

# EQUIPMENT

Illustrations may not be accurate for every model and are only provided as a visual guide.

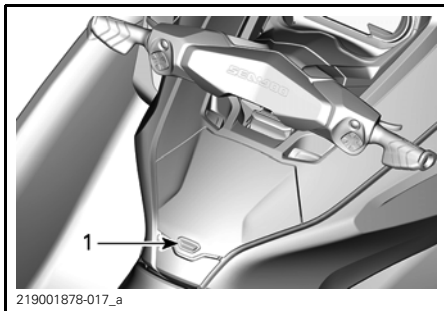
**NOTE:** Some vehicle safety labels are not shown on illustrations. For information on vehicle safety labels, refer to *WATERCRAFT SAFETY LABELS*.



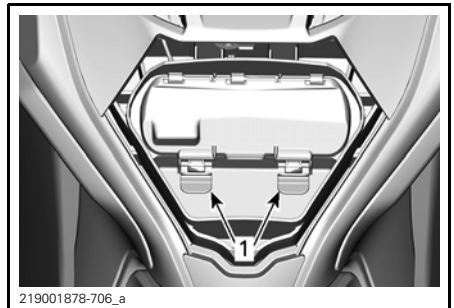
## 1) Glove Box

A small, storage compartment for personal articles.

Press on cover latch to open glove box.



1. Cover latch



1. Latches

There is a protective foam located inside the watertight compartment to protect a phone from damages. Make sure the smartphone is held in place by the foam and not the edges of the receptacle and that you can close the lid. Always make sure the foam is completely dry before using.

Refer to *MAXIMUM PHONE SIZE* chart.

## Watertight Compartment

Inside the glove box is located a small watertight storage compartment for personal articles. Pull backwards on the two latches to open.

MAXIMUM PHONE SIZE	
Length	160 mm (6.3 in)
Width	85 mm (3.3 in)

**NOTE:** Due to variation in smartphone sizes and cases styles, ensure there is no pressure on connector and/or phone when closing the lid.

Some models are equipped with a USB port used for charging. When using the USB port to charge a smartphone, always make sure to route the cable such that there is no pressure on either ends of the cable to prevent damage to cable or smartphone connectors.

**NOTE:** For optimum performance, always use OEM USB cables. Low cost aftermarket cables may not have data lines and/or higher impedance which may result in poor charging performance or overheating.

Many models of smartphones have a brittle female connector so extra care should be taken when inserting in the watertight compartment. BRP recommends to use a short cable (no more than 25 cm (10 in)) so there is less extra cable length to stow.

The models not equipped with USB charging port are instead equipped with a rubber seal to ensure watertightness. There is a ventilation membrane that balance pressure inside and outside the compartment to ensure it can be opened without suctioning water droplets inside. The membrane itself is watertight. Watertightness of the compartment is finally ensured by pressing the compartment's door on the surrounding seal, using the two latches.

To ensure that articles inside the compartment are protected from the environment, the following recommendations should be followed:

Before and during use:

- Make sure the seal is intact, cleared and properly positioned.

- Make sure the ventilation membrane is intact and properly positioned.
- Make sure the seal around the USB charging port (or rubber seal) is intact and properly positioned.
- Completely dry the compartment and its contents before closing.
- Make sure nothing gets pinched between cover and box when closing compartment.
- Always close the compartment completely using the 2 latches.

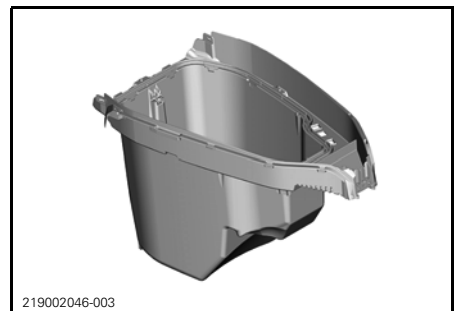
After use:

- Remove smartphone from compartment.
- The USB charging port's integrated rubber cap should be installed to cover the connector.
- Always close the compartment completely using the 2 latches.

**NOTE:** Use of desiccant in the watertight compartment is recommended to eliminate condensation in very humid environment. Replace desiccant frequently.

## 2) Storage Bin

A storage bin that can be used to carry larger personal articles is located under the front cover.



FRONT STORAGE BIN

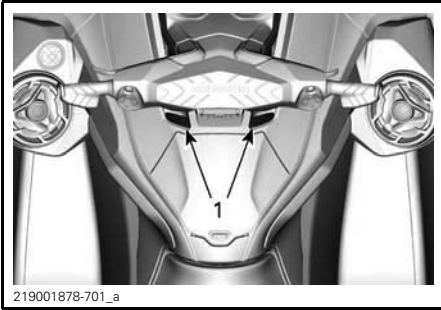
### How to Open Storage Bin Cover

Stop engine.

**⚠ WARNING**

When the storage bin cover is opened, the controls are not accessible to the driver.

Open the storage bin by pressing on the two release buttons and lifting the handlebar.



1. Release buttons

**NOTICE** The maximum load allowable for the front storage bin is 13 kg (30 lb) evenly distributed.

**⚠ WARNING**

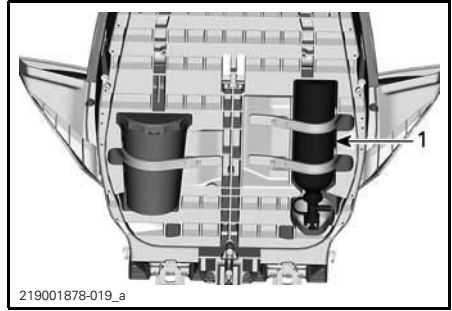
Never leave any heavy or breakable objects loose in the front storage bin. Do not overload. Never store or transport fuel or any other flammable products in this storage bin. Never operate the watercraft with any storage compartment cover open or improperly secured cargo.

**3) Fire Extinguisher Holder**

The fire extinguisher support is located under the front storage bin cover.

Use the rubber tie-downs to properly secure the fire extinguisher.

**NOTE:** Fire extinguisher is sold separately.



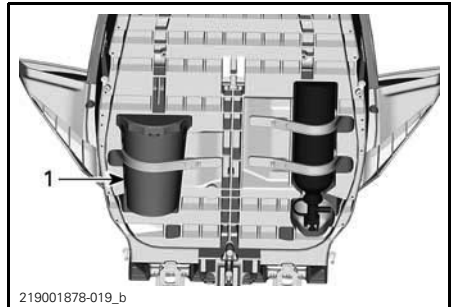
1. Fire extinguisher

**4) Safety Kit Holder**

The safety kit support is located under the front storage bin cover.

Use the rubber tie-downs to properly secure the safety kit.

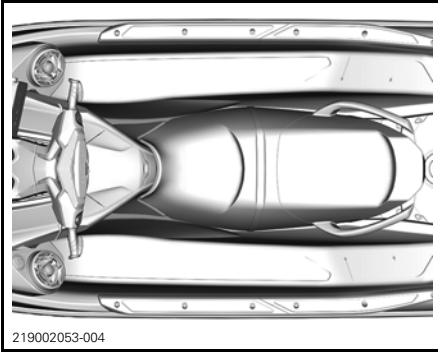
**NOTE:** Safety kit is sold separately.



1. Safety Kit

**5) Seat**

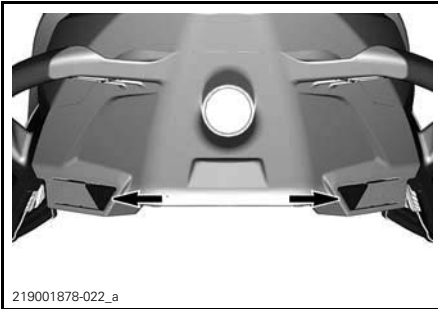
This model comes equipped with an ergonomic seat narrowing towards the front with knee grab design allowing you to position your legs towards the inside of the footwells, minimizing upper body fatigue and granting you more control when cornering.



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**ERGONOMIC SEAT****Seat Removal**

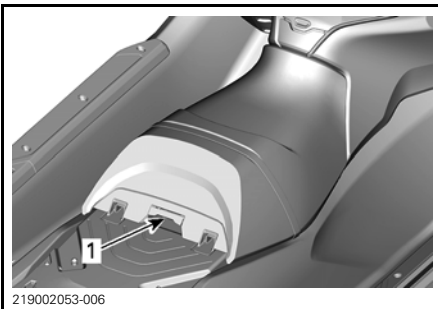
To remove the seat, push on the two release buttons and lift the back end of the seat.



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**RELEASE BUTTONS**

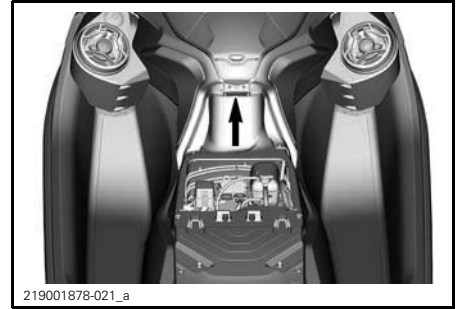
Then pull the latch handle up and remove the seat from the watercraft.



219002053-006

**1. Latch handle****Seat Installation**

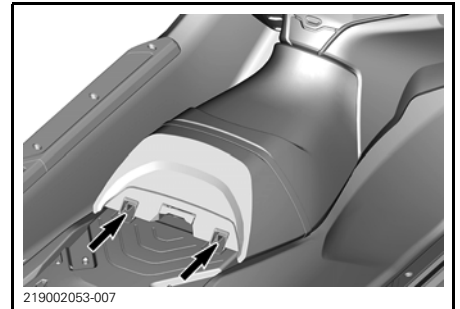
To install the seat, insert the forward end of the seat in it's retainer.



219001878-021\_a

**1. Seat retainer**

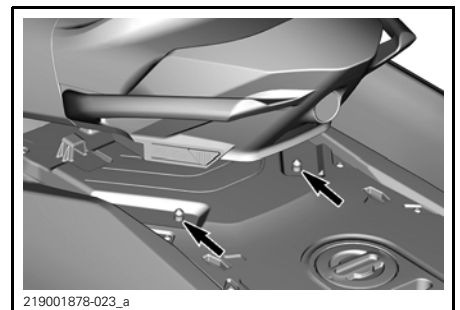
Insert the forward part of the rear seat into the retainers.



219002053-007

**SEAT RETAINERS**

Align the seat latch with the latch pin and firmly press down on the rear portion of the seat to lock it in place.



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**LATCH PINS**

Pull up on the rear portion of the seat to ensure it is properly latched.

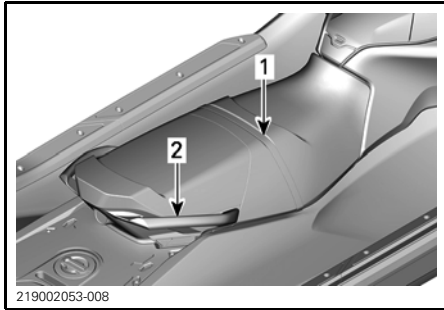
**⚠ CAUTION** Ensure the latch is properly locked onto the pin.

## 6) Passenger Handholds

The seat strap provides a handhold for a passenger to hold on to when riding.

The sides of the molded grab handle at the rear of the seat also provide a handhold for a passenger. The rear portion of the molded grab handle provides a handhold for the skier/wakeboarder (if applicable) spotter or boarding the watercraft from the water.

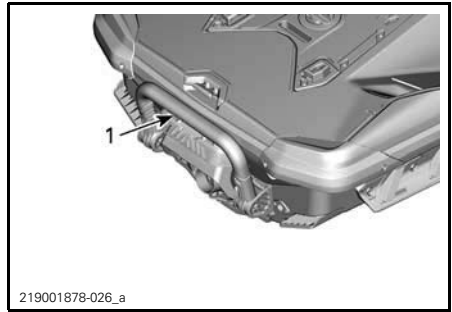
**NOTICE** Never use the molded grab handle to tow anything or to lift the watercraft.



1. Seat strap
2. Molded grab handle

## 7) Boarding Ladder (If Equipped)

A convenient ladder used for boarding the watercraft from the water.

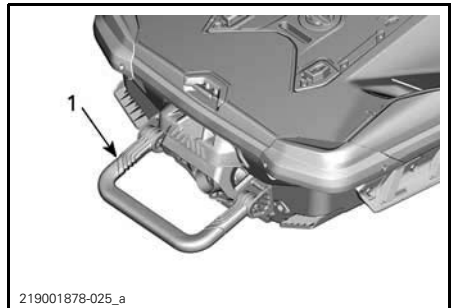


- TYPICAL**
1. Boarding ladder

### **⚠ WARNING**

Do not apply throttle or, simply shut down the engine, when anyone is boarding or at rear of the PWC.

Pull down the ladder with your hand and hold until a foot or a knee is put on the ladder.



- TYPICAL**
1. Boarding ladder in lowered position

### **NOTICE**

- Never use the ladder for boarding a watercraft that is out of water.
- Never use the ladder for pulling, towing, diving or jumping, or any other purpose other than as a boarding ladder.
- Stay on center of the ladder.
- Only one person at a time on the ladder.



## **⚠ WARNING**

Be aware of the iBR gate movement when starting the engine, shutting down the engine or using the iBR lever. Automatic movement of the gate may squeeze fingers or toes of people taking a hold on the back or your PWC.

## 8) Boarding Platform

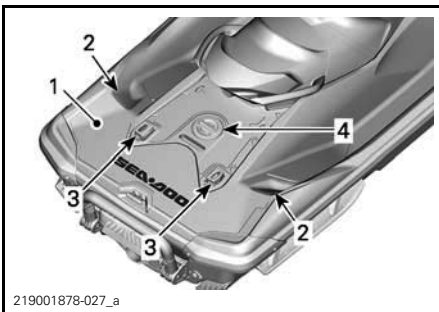
A boarding platform covers the rear deck area.

**⚠ CAUTION** The two LinQ attachment points are used to carry accessories and should always be retracted when not in use.

Two indentations in the platform are used as foot rests for the rear facing spotter when towing a skier, wakeboarder or tuber.

A ski pylon can be installed by removing the ski pylon hole cover in the middle of the platform. The ski pylon hole cover is **not** the fuel cap.

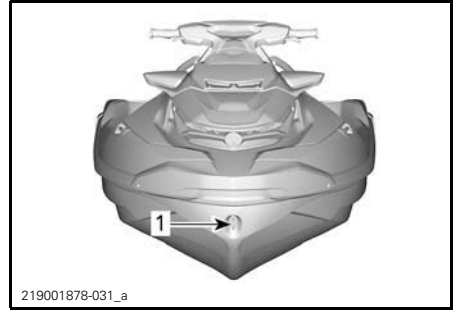
**⚠ CAUTION** Always install ski pylon hole cover when ski pylon is not installed.



1. Boarding platform
2. Spotter foot rests
3. LinQ attachments
4. Ski pylon hole cover

## 9) Front Eyelets

Eyelets can be used for mooring, towing and as tie-down points when trailering your watercraft.

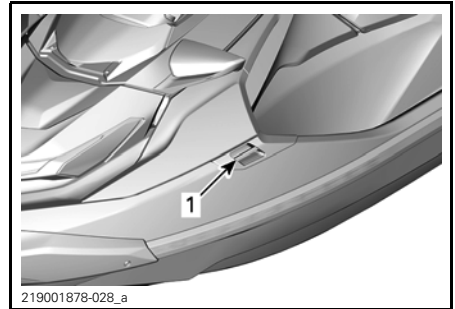


TYPICAL

1. Front eyelet

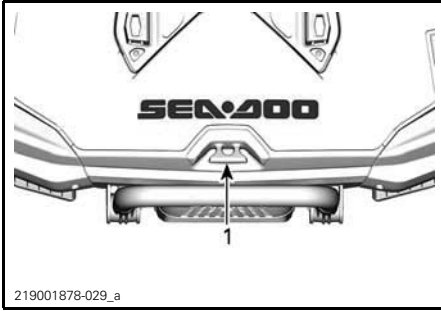
## 10) Mooring Cleats

These cleats can be used for temporary docking such as when refueling. The rear cleat can be used to tow an inflatable tube.



TYPICAL

1. Mooring cleats

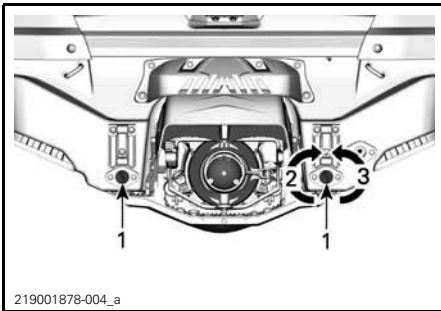


1. Mooring cleat

**NOTICE** Never use mooring cleats to pull or lift the watercraft.

## 11) Bilge Drain Plugs

Unscrew drain plugs whenever watercraft is on the trailer. This will allow water accumulated in the bilge to be evacuated and helps to reduce condensation.

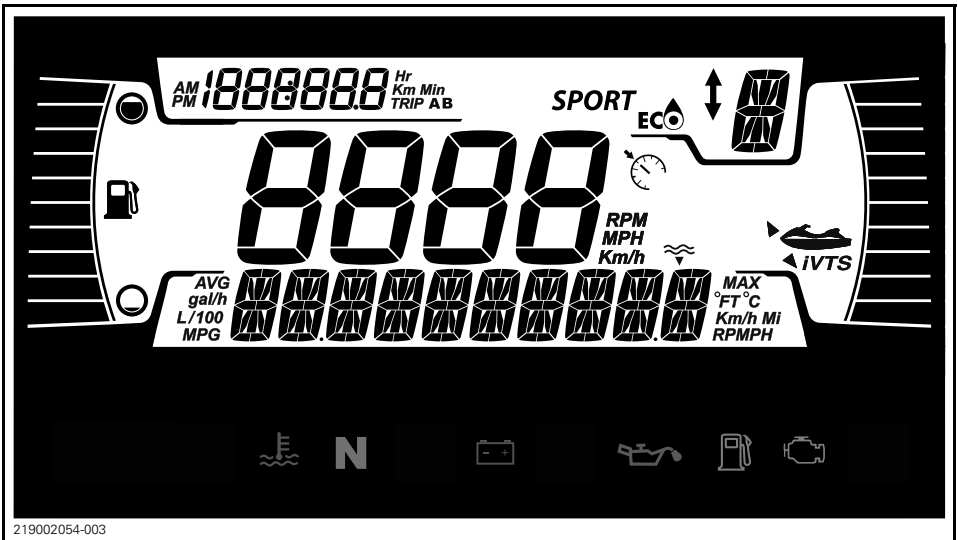


TYPICAL  
1. Drain plugs  
2. Tighten  
3. Loosen

**NOTICE** Ensure drain plugs are properly secured prior to launching the watercraft in water.

# 4.5" DIGITAL DISPLAY

## Multifunction Gauge Description



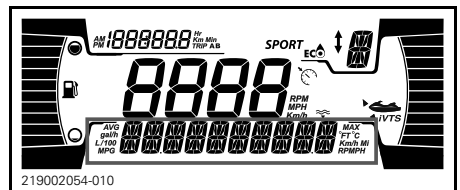
219002054-003

### **⚠ WARNING**

Reading or tempering with the multifunction gauge can distract you from the operation of the vehicle, particularly from constantly scanning the environment. Always pay attention to water conditions, ensure your environment is clear and free from obstacles. Furthermore, when riding, only glance at the multifunction gauge briefly to stay focused on your environment.

The multifunction gauge includes digital gauges (temperature and tachometer), telltale lights, icons and a digital screen to see important information (speed, RPM, etc.).

### Lower Display

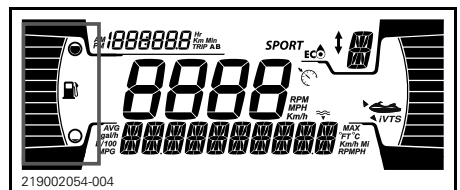


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User can decide to display one the following:

- RPM
- Depth (if equipped)
- Settings
- Messages
- Speed Stat (if equipped)

### Left Lateral Display

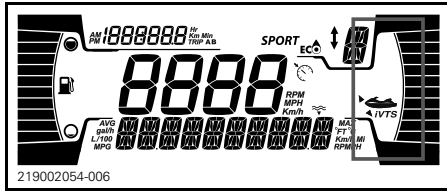


219002054-004

The left lateral display includes:

- Fuel level indicator

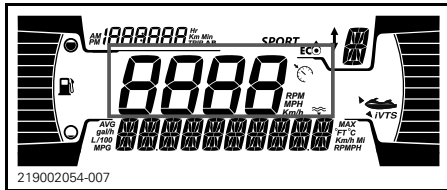
### Right Lateral Display



The right lateral display includes:

- VTS position

### Central Display

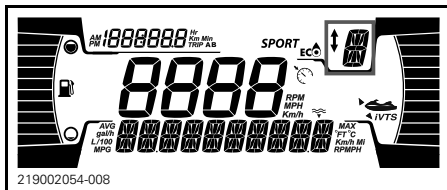


The central display includes:

- Vehicle speed
- Speed control indicator (if equipped)

The speed control indicator in this display is only activated when a target speed is set.

### iBR Position Display

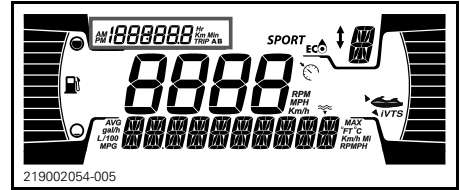


This display shows gears position of the iBR (if equipped):

- N (neutral)
- F (forward)
- R (reverse)

It can also display the selected speed level (1 to 9) when the slow speed mode is selected.

### Left Upper Display



The left lateral display includes:

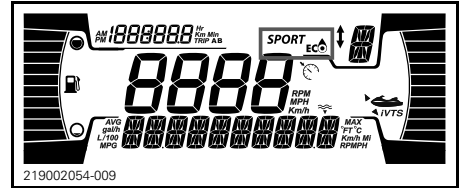
- Tripmeter
- Clock

User can decide to display one the following on the tripmeter:

- Vehicle hours : Displays the total vehicle hours
- Trip KM : Displays the distance since the last reset.
- Trip HR : Displays the time since the last reset.

NOTE: Clock is shown only if the integrated GPS receives a signal from the satellites. This may take several seconds after waking up the system.

### MODE Display



The MODE display indicate the selected alternative mode of operation:

- SPORT
- ECO

To cycle through the MODES;

- Press MODE button,
- Acknowledge the safety message by pressing and holding MODE button will get the SPORT mode,
- Pressing MODE button again will activate the SKI mode (if equipped),
- Pressing MODE button again will activate the ECO mode.

**NOTE:** The SKI mode has no icon in the digital display. Refer to *OPERATING MODES* for more details.





## Warning Lamps and Indicators




The following indicator lamps will alert you to a vehicle condition that may become serious. Some lamps will illuminate when starting the vehicle to make sure they work. If any lamps remain on after starting the vehicle, refer to the respective system warning lamp for further information.

**NOTE:** Some warning indicators appear in the display of the multifunction gauge and function the same as an indicator lamp but do not display when starting the vehicle.





### Telltale Lights - Lower Bar



LIGHTS	DESCRIPTION
	ORANGE - Vehicle malfunction
	RED - The engine temperature is too high.
	GREEN - The neutral gear is selected
	RED - If illuminate while driving, it indicates a malfunction. Turn off all unnecessary electrical equipment and have the electrical and charging systems checked.

LIGHTS	DESCRIPTION
	RED - If illuminate while the engine running or while driving, this indicates a malfunction. Stop the vehicle as soon as it is safe to do so and turn the engine off. Check the engine oil level. Have the lubrication system checked as soon as possible, even if the level being correct.
	ORANGE - Illuminate when the fuel level is low or when the fuel tank is near empty. Refuel as soon as possible.
	ORANGE <b>Turned on:</b> Malfunction of the vehicle emissions control system <b>Blink:</b> Engine limitation, the limp home mode is activated. Have the vehicle serviced immediately.

### Icons and Indicators - Multifunction Display

ICONS	DESCRIPTION
	Denotes SPORT mode is selected.
	Denotes ECO mode is selected.
	Steady ON: indicates that the VTS is activated (if equipped).
	Denotes Speed Limiter or Slow Speed mode (if equipped)

## SETTINGS

TO...	ACTION
Navigate in the menu	Single press on INFO
Enter menu	Long press INFO
Edit value	Single press on INFO
Change information display	Press TRIP
Reset Trip when displayed)	Long press TRIP
Fault codes/ Maintenance	Long press INFO

Use the RIGHT arrow button or LEFT arrow button to navigate through setting menus. Use OK button to enter setting menu, to confirm selection or reset some values. Use UP arrow or DOWN arrow to change selected value.

### Settings Menu

Using the RIGHT or LEFT arrow button, select **SETTINGS** and press OK button to enter setting menus.

### Maintenance Reset

Select **RES MAINT** and hold OK button to reset maintenance.

**NOTE:** The maintenance reset can only be done within the first 15 seconds of ECM wake-up when a maintenance is required.

### Display Codes

Refer to *DISPLAYING FAULT CODES*.

### Setting Tripmeter

Select **TRIP** and press UP or DOWN arrow button to cycle through **Vehicle Hours**, **Trip KM** and **Trip HR**.

Press and hold OK button to reset selected trip info.

### Setting Learning Key

Connect a normal key to the vehicle. Select **L-KEY #** and press UP or DOWN arrow button to set the desired learning key level between 1 and 5.

Press and hold OK button to confirm.

**NOTE:** The default learning key level is 1 (lowest performance).

### Unit Selection

Select **UNITS** and press UP or DOWN arrow button to change units.

**NOTE:** Changing units will apply to all the displayed units.

### Setting Brightness

Select **BRIGHTNESS** and press UP or DOWN arrow button to adjust brightness level (from -4 to 4).

### Setting Clock

Select **CLOCK**.

1. Press INFO button to select clock display.
2. Long press INFO button to enter clock editing.
3. Press INFO button to select 12:00 AM PM or 24:00 time base.
4. Long press INFO button to confirm and display hours.
5. Press INFO button to change hours.
6. Long press INFO button to confirm.

**NOTE:** Menu available only if GPS is synchronized.

To exit **SETTINGS**, select **EXIT** and press OK button.

### Resetting speed statistics (if equipped)

Select **SPEED STAT** and press and hold OK button to reset the speed statistics.

**NOTE:** The speed statistics are automatically reset after the gauge shut down.

## Setting Language

The language of the display is factory setup by default in English. Refer to an authorized Sea-Doo dealer for language availability and to setup the gauge to your preference.

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# BREAK-IN PERIOD

## Operation During Break-In Period

A break-in period of 10 operating hours is required before running the watercraft at sustained full throttle.

During this period, maximum throttle should not exceed 1/2 to 3/4 opening. However, brief full acceleration and speed variations contribute to a good break-in.

**NOTICE** Continued wide open throttle accelerations or operation, prolonged cruising speeds are detrimental during the break-in period.



# OPERATING INSTRUCTIONS

## **⚠ WARNING**

Always perform the *PRE-RIDE INSPECTION* before operating this watercraft. Be sure to read the *SAFETY INFORMATION* and the *WATERCRAFT INFORMATION* sections and be thoroughly familiar with the iControl technology.

Should any control or instruction not be fully understood, refer to an authorized Sea-Doo dealer.

## **Boarding the Watercraft**

As with any watercraft, boarding should be done carefully.

Make sure to practice each boarding method until fully able to safely board in any potential condition.

## **⚠ WARNING**

Do not apply throttle or, simply shut down the engine, when anyone is boarding or at rear of the PWC.

## **Boarding from a Dock**

When boarding from a dock, slowly place one foot on the watercraft footboard nearest the dock while holding the handlebar, and at the same time, transfer the body weight to the other side in order to balance the watercraft.

Then bring the other foot over the seat and place it on the other footboard. Push the watercraft away from the dock.



## **Boarding from Shallow Water**

In shallow water, board the watercraft from either the side or the rear.

## **⚠ WARNING**

- Keep limbs away from jet or intake grate.
- Never use propulsion system as a supporting point to board the watercraft.

Ensure there is at least 90 cm (3 ft) of water underneath the lowest rear portion of the hull.

Take into account that the hull will be lower in the water when all passengers are aboard. Be certain to maintain the specified depth so sand, pebbles and rocks will not be drawn up in the jet pump.



- A. Maintain at least 90 cm (3 ft) underneath the lowest rear portion of the hull when all passengers are aboard

**NOTICE**

- Starting the engine or riding the watercraft in shallower water may damage the impeller or other jet pump components.
- Stay on center of the step.
- Only one person at a time on the ladder.

**⚠ WARNING**

Watercraft with iBR system:

- Be aware of the iBR gate movement when starting the engine, shutting down the engine or using the iBR lever. Automatic movement of the gate may squeeze fingers or toes of people taking a hold on the back or your PWC.
- Never use iBR gate as a supporting point to board the watercraft.

**Boarding in Deep Water**

**⚠ WARNING**

- Keep limbs away from propulsion system or intake grate.
- Never use propulsion systems a supporting point to board the watercraft.
- Ask inexperienced riders to practice how to board the watercraft close to shore (all methods explained here) before venturing into deep water, especially when cargo is installed aboard on the rear platform.

**⚠ WARNING**

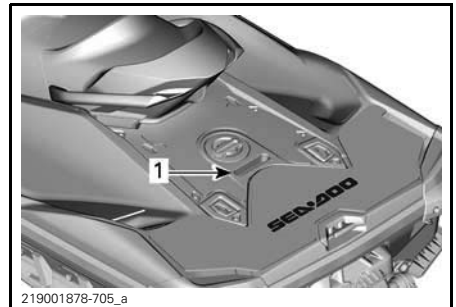
Watercraft with iBR system:

- Be aware of the iBR gate movement when starting the engine, shutting down the engine or using the iBR lever. Automatic movement of the gate may squeeze fingers or toes of people taking a hold on the back or your PWC.
- Never use propulsion system or iBR gate as a supporting point to board the watercraft.

**Operator Alone**

*Models Without a Boarding Ladder*

1. Using one hand, grab the rear handle.



1. Rear handle

**NOTE:** If cargo is properly secured on the boarding platform, it can be used as a handle or removed and set aside in the footwell to get access to the handle. Always properly secure the cargo before riding.

2. With the other hand on the boarding platform, lift your body until you can lay one knee on the boarding platform.
3. Lay the other knee on the boarding platform.



TYPICAL

4. Take hold of the seat strap to help maintain your balance and step forward onto the footboards on either side of the seat.



TYPICAL

Sit astride the seat.

It is possible to swim toward side, use passenger handhold and/or seat strap to lift yourself aboard.

**NOTE:** The side boarding method is not recommended as a first try boarding method. It must only be used in last resort as it is not the easiest method to board a watercraft.

### *Models with a Boarding Ladder*

Swim to the rear of the watercraft.

Using one hand, lower the boarding ladder.



TYPICAL

Using the other hand, take hold of the edge of the boarding platform, then pull yourself up so that you can kneel onto the boarding ladder.

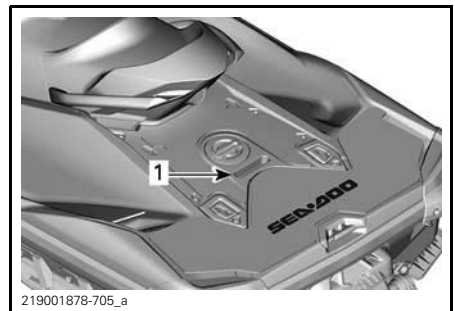


TYPICAL

### **NOTICE**

- Stay on center of the ladder.
- Only one person at a time on the ladder.

Reach forward with one hand and take hold of the molded handles on the sides of the back seat or the rear handle, then stand on the boarding ladder.



1. Rear handle



TYPICAL

**NOTE:** If cargo is properly secured on the boarding platform, it can be used as a handle or removed and set aside in the footwell to get access to the handle. Always properly secure the cargo before riding.

With both hands on the handle behind the seat, step up onto the boarding platform.



TYPICAL



TYPICAL

Take hold of the seat strap to help maintain your balance and step forward onto the footboards on either side of the seat.



TYPICAL

Sit astride the seat.

### Operator with a Passenger

The operator climbs on the watercraft in the same way as explained previously.

In choppy water, while in the water, the passenger may hold the watercraft steady to help the operator climb aboard.



TYPICAL

### **NOTICE**

- Stay on center of the step.
- Only one person at a time on the step.

The passenger then climbs onto the watercraft while the operator maintains balance by sitting as close as possible to the console.



smo2009-002-147

TYPICAL - MODEL WITH BOARDING LADDER SHOWN



smo2009-002-148

TYPICAL - MODEL WITH BOARDING LADDER SHOWN



smo2009-002-149

TYPICAL



smo2009-002-150

TYPICAL

## How to Start Engine

### ⚠ WARNING

Before starting the engine:

- Be sure riders are properly seated and holding on a handhold or hold on the waist of the person in front of them.

### ⚠ WARNING

Before starting the engine, the operator and passenger(s) should always:

- Be properly seated on the watercraft.
- Have a firm grip on a handhold or hold on to the waist of the person in front of them.
- Wear appropriate protective clothing including a PFD approved by local authorities and a wet suit bottom.

**NOTICE** Ensure there is at least 90 cm (3 ft) of water under the lowest rear portion of the hull when all passengers are aboard prior to starting the engine. Otherwise damage to the impeller or other jet pump components may occur.

1. Attach the tether cord clip to your PFD or to the wrist (wrist strap required).
2. Firmly grip handlebar with your left hand and place both feet on the footboards.
3. Press the engine START/STOP button to wake up the electrical system.
4. As the information center cycles through its self test function, install the tether cord on the engine cut-off switch.

**⚠ WARNING**

The tether cord shall always be attached to the operators personal flotation device or to the wrist (wrist strap required) when starting or operating the watercraft.

- Depress the START/STOP button to start the engine.

**NOTICE** In the event the engine does not start right away, do not hold START/STOP button more than 10 seconds to avoid starter overheating. A rest period should be observed between the cranking cycles to allow the starter to cool down. Refer to *TROUBLESHOOTING* section.

- Release engine START/STOP button after engine is started.

**How to Stop the Engine**

**⚠ WARNING**

To maintain watercraft directional control, the engine shall be running until the watercraft is stopped.

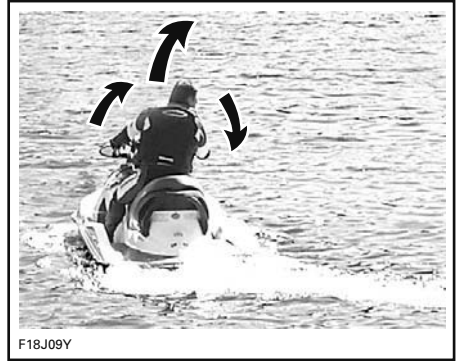
To shut off the engine, press the engine START/STOP button or pull off the tether cord cap from the engine cut-off switch.

**⚠ WARNING**

Never leave the tether cord on the engine cut-off switch when disembarking watercraft to prevent theft, accidental engine starting, and to avoid unauthorized use by children or others.

If the engine is shut off using the START/STOP button and the tether cord is left on the engine cut-off switch, the electrical power will shut off after approximately 60 minutes to prevent battery discharge.

**How to Steer the Watercraft**



Turning the handlebar pivots the jet pump nozzle which controls the watercraft direction. Turning the handlebar to the right will turn the watercraft to the right and inversely. The throttle need to be applied to turn the watercraft.

**⚠ WARNING**

Throttle must be applied and handlebar turned to change the direction of the watercraft. Steering efficiency will differ depending on the amount of throttle applied, the number of passengers, the load, the water conditions and the environmental factors such as the wind.

Unlike a car, a watercraft needs some throttle to turn. Practice in a safe area applying the throttle and turning away from an imaginary object. This is a good collision avoidance technique.

**⚠ WARNING**

Directional control is reduced when the throttle is released and lost when the engine is off.

The watercraft behaves differently with a passenger and requires greater skill. The passenger(s) shall always

grip the seat strap, the molded grab handle, or the waist of the person ahead of them. Reduce speed and avoid sharp turns. Avoid choppy water conditions when carrying a passenger.

### Tight Turns and Other Special Maneuvers

Any tight turns or special maneuvers that will cause the air inlet openings to be kept under water for a prolonged time, water will seep into the bilge.

Combustion engines need air to operate; consequently this watercraft cannot be totally watertight.

**NOTICE** If the air inlet openings are kept under water, such as turning constantly in tight circles, plunging the bow through waves, or capsizing the watercraft, water may seep into the bilge, which may cause severe damage to internal parts of the engine. Refer to the *WARRANTY* section contained in this guide.

### Off-Throttle Assisted Steering System (O.T.A.S.)

The O.T.A.S. system provides additional maneuverability in off-throttle situations.

If the driver releases the throttle to idle when initiating a full turn, the O.T.A.S. system will be electronically activated, and will slightly increase engine speed to allow completion of the turn.

When the handlebar is brought back towards its center position, the throttle reverts to idle.

We recommend that you familiarize yourself with this feature during your first ride.

### How to Engage Neutral

#### *Models without iBR*

On these models, as soon as the engine runs, the PWC is always in motion.

### *iBR Equipped Models*

#### **⚠ WARNING**

The drive shaft and impeller are always turning when the engine is running, even when the iBR gate is set to the neutral position. Keep away from the propulsion system of the watercraft.

When the watercraft is first started, the iBR system automatically sets the iBR gate to the neutral position by default.

If the gate is in forward thrust position, tap the iBR lever. The gate will move to neutral.

If braking or reverse is used, the iBR gate will move to the neutral position when the iBR lever is released, if throttle is not applied.

**NOTE:** The throttle lever must be fully released for the iBR gate to move to the neutral position when the iBR lever is released.

If the engine is stopped in forward or reverse, the iBR gate will move to the neutral position on engine shutdown.

### How to Trim the Neutral Position of the iBR

When in NEUTRAL, if the watercraft creeps forward or backward, the iBR system may be trimmed.

**NOTE:** Movement of the watercraft when operating in neutral may be due to wind or water current.

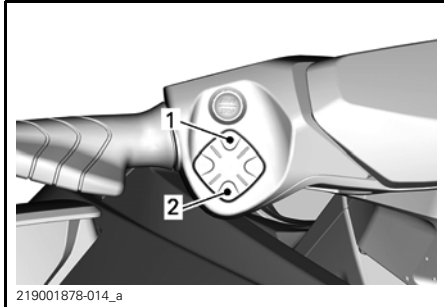
To enter the Neutral Adjustment mode, hold down the VTS up or down button for 0.5 Sec.

The message **Neutral Adjust** will be displayed.

To adjust the neutral position:

- If the watercraft is moving forwards, press the VTS DOWN button to adjust.
- If the watercraft is moving backwards, press the VTS UP button to adjust.

Adjust to achieve no movement when the engine is at idle.



VTS CONTROL BUTTON

1. Bow up
2. Bow down

To exit the **Neutral Adjust**, press OK button or wait 25 sec.

## How to Engage Forward

### *Models without iBR*

On these models, the PWC is always in forward position.

The PWC will begin to move forward as soon as the engine is started.

### *iBR Equipped Models*

To engage forward thrust from neutral, tap on the throttle lever. The gate will move to forward thrust position and the watercraft will accelerate forward.

To engage forward thrust from reverse, release the iBR lever while applying throttle moderately.

To re-engage forward thrust from braking, simultaneously pull in the throttle lever while releasing the iBR lever. The watercraft will accelerate forward after a short delay.

## How to Engage and Use Reverse

### *Models without iBR*

On these models, as soon as the engine runs, the PWC is always in motion.

### *iBR Equipped Models*

Reverse can only be engaged between idle speed and the threshold forward speed of 14 km/h (9 MPH).

To engage reverse thrust, the iBR lever on the LH handlebar must be pulled in at least 25% of the lever travel.

When operating the iBR lever in reverse mode, the throttle lever can be used to control engine RPM, and thus the amount of reverse thrust produced.

By modulating both the iBR and throttle levers simultaneously, reverse thrust can be more precisely controlled. Too much RPM will create water turbulence and reduce reverse efficiency.

**NOTE:** Engine power will be reduced to idle whenever the iBR lever position is changed.

Release the iBR lever to end reverse operation.

To stop rearward velocity after iBR lever release, apply enough throttle to stop rearward movement.

### **⚠ WARNING**

**The brake function has no effect when travelling in reverse.**

Available engine power is limited in reverse mode, which limits reverse speed. However, speeds above 14 km/h (9 MPH) may be obtained in reverse depending on conditions.



**⚠ WARNING**

Only use reverse at slow speed and for the shortest time possible. Always ensure the path behind is clear of objects, obstacles and people.

When operating in reverse, turn the handlebar in the opposite direction that you want to move the rear of the watercraft.

For example, to steer the rear of the watercraft to port (left), turn the handlebar to starboard (right).



F18J08Z

**TYPICAL - STEERING DIRECTION REVERSED WHEN BACKING**

**⚠ CAUTION** Steering direction in reverse thrust is opposite of forward thrust. To steer the stern to port (left) in reverse, turn the handlebar to starboard (right). To steer the stern to starboard (right), turn the handlebar to port (left). Reverse thrust operation should be practiced in open waters in order to become fully familiar with the controls and watercraft handling characteristics before operating in close quarters.

## How to Engage and Use Braking

### *Models without iBR*

On these models, there is no braking system available. Be careful.

### *iBR Equipped Models*

**⚠ WARNING**

- The engine must be running to be able to use the brake.
- The brake is only applicable when operating in forward movement, it has no effect on rearward velocity.
- The brake cannot prevent your PWC from drifting due to current or wind.

The braking function can only be engaged during forward operation at or above the threshold speed of 14 km/h (9 MPH).

Braking is engaged and controlled when the iBR lever on the LH handlebar is pulled in at least 25% of its travel.

**⚠ WARNING**

Braking should be practiced in open waters and at gradually increasing speeds in order to become fully familiar with the controls and watercraft handling characteristics.

When iBR lever is applied, the throttle lever command is overridden and engine throttle control is now dependant on the iBR lever position. Braking can thus be modulated by using only the iBR lever.

Watercraft deceleration is proportional to the braking force. The more the iBR lever is pulled in, the greater the braking force applied.

**NOTE:** Be careful to gradually actuate the iBR lever to adjust intensity of the braking force and simultaneously release the throttle lever.

**⚠ CAUTION** When braking, riders must brace themselves against the deceleration force to prevent from moving forward on the watercraft and losing balance. The operator shall always keep both hands on the handlebars, and all passengers should maintain a firm grip of a handhold or the waist of the person in front of them.

**⚠ WARNING**

Stopping distance will vary depending on initial speed, load, wind, number of riders, water conditions, and the amount of braking power commanded by the operator. Always adjust your riding style accordingly.

When the watercraft slows to less than 14 km/h (9 MPH), braking mode ends and reverse mode is engaged. Release the iBR lever once the watercraft is stopped. Otherwise, a rearward movement will be initiated.

**⚠ CAUTION** As the watercraft slows to a stop, the wake created by the watercraft will catch up and tend to push the watercraft forward. Ensure there are no obstacles or bathers in the direction of travel.

If the throttle lever is still pulled in when releasing the iBR lever, the watercraft will accelerate forward after a short delay. Acceleration will be proportional to the throttle lever position.

**⚠ WARNING**

If forward acceleration is not desired when the brake lever is released, release the throttle lever.

When at speed and the brake is first applied, a plume of water will shoot up in the air behind the watercraft which may cause the operator of a following watercraft to momentarily lose sight of your PWC.

**⚠ WARNING**

- It is important to inform the operator of a watercraft who intends to follow in a convoy formation, of the braking and maneuvering capability of your PWC, what the plume of water indicates, and that a greater distance must be maintained between watercrafts.
- Be aware that other boats following or operating in close proximity may not be able to stop as quickly.

**Braking in a Turn**

Throttle must be applied for turning to ensure directional control. However braking can be initiated during a turn using the iBR lever as previously described. Get ready to maintain your balance while the wake is crossing your PWC.

**⚠ CAUTION** As the watercraft slows to a stop while braking in a turn, the wake created by the watercraft will catch up and tend to push the watercraft sideways. Be prepared to maintain balance as the wake crossed the watercraft.

**How to Use the Variable Trim System (VTS) (if equipped)**

The variable trim system (VTS) changes the vertical position of the jet pump nozzle to provide the operator with a fast, effective system to compensate for load, thrust, riding position and water conditions. Correctly adjusted, it can improve handling, reduce

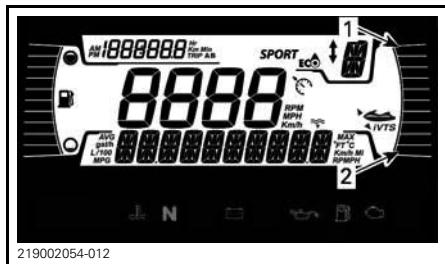
porpoising, and position the watercraft at its best riding attitude to attain maximum performance.

When first using the watercraft, the operator should become familiar with the use of the variable trim system (VTS) at varying speeds and water conditions. A mid-range trim is generally used when cruising. Experience alone will dictate the best trim for the conditions. During the watercraft break-in period, when lower speeds are recommended, it is an excellent opportunity to become familiar with trim adjustment and its effects.

When the nozzle is positioned in an upward angle, the water thrust directs the bow of the watercraft upward. This position is used to optimize high speed.

When the nozzle is directed downward, the bow is forced downward and increases the watercraft turning capabilities. As with any watercraft, speed and operator body position and movement (body English), will determine the degree and sharpness of the watercraft turn. Porpoising can be reduced or eliminated if the nozzle is downward and speed is adjusted proportionately.

**NOTE:** VTS position is indicated on a bar gauge in the right lateral display of the information center.



219002054-012

1. Bow up
2. Bow down

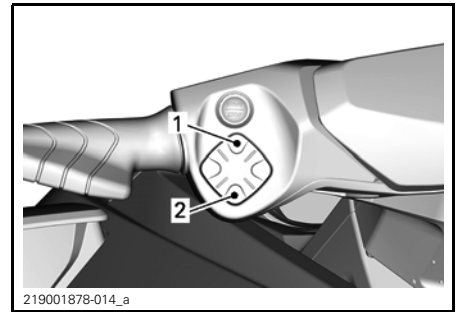
## Trimming the VTS Using the VTS Button

Nine trim positions are available.

With the watercraft operating in forward thrust, proceed as follows.

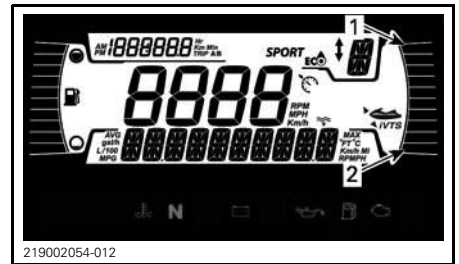
**NOTE:** Pressing the VTS trim button without the engine in forward thrust will only change the indication. The nozzle will move to the selected VTS trim position when forward thrust is engaged.

1. Press the VTS UP button once to trim the bow of the watercraft up to the next up trim position.
2. Press the VTS DOWN button once to trim the bow of the watercraft down to the next down trim position.



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1. Bow up
2. Bow down



219002054-012

1. Bow up
2. Bow down

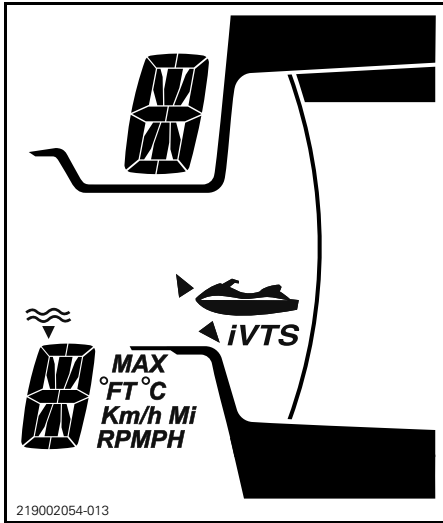
The VTS system allows for manually adjusting the trim position of the nozzle.

**NOTE:** If the VTS UP or DOWN button is pressed and held, the pump nozzle will keep moving until the button is released at the desired trim attitude or the maximum trim position (up or down) is reached.

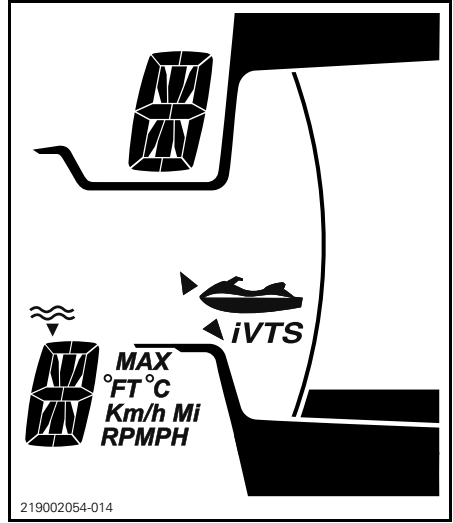
### Using Preset Trim Positions

Three preset trim positions can be selected.

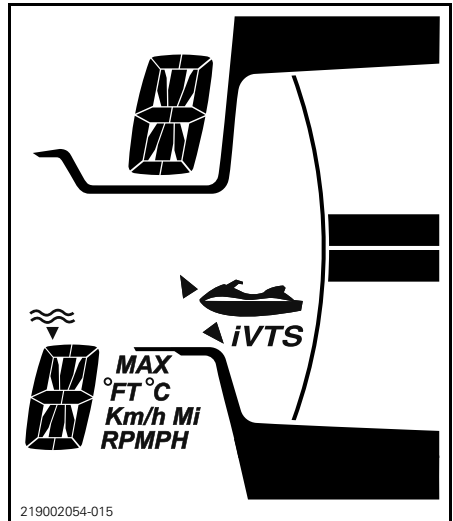
To select the highest trim position recorded, double-click on the VTS UP button (bow up).



To select the lowest trim position recorded, double-click on the VTS DOWN button (bow down).



To select the mid trim position, it depends on the actual trim position. Double-click on the VTS UP button if it is positioned below mid trim or double-click on the VTS DOWN button if it is positioned above mid trim.



**NOTE:** These preset trim positions are not adjustable.

## General Operating Recommendations

**NOTICE** Combustion engines need air to operate; consequently this PWC cannot be totally watertight. Any maneuvers such as turning constantly in tight circles, plunging the bow through waves, or capsizing the watercraft, that cause the air inlet openings to be under water may cause severe engine problems due to water ingestion. Refer to *HOW TO STEER WATERCRAFT* in the *OPERATING INSTRUCTIONS* section and the *WARRANTY* section contained in this Operator's Guide.

### Rough Water or Poor Visibility Operation

Avoid operation in these conditions. If you must do so, proceed with caution using minimum speed.

### Crossing Wakes or Waves

The operator must grip the handlebar firmly and keep both feet on the footboards.

The passenger must grip the handholds with both hands and keep both feet on the footboards.

Reduce speed.

Always be prepared to steer and maintain your balance as necessary.

When going over waves, raise your body slightly off the seat to absorb the shocks with your legs.

When crossing wakes, always keep a safe distance from watercraft ahead.

## **!** WARNING

When crossing wakes or waves, slow down.

Operator and passenger(s) should brace themselves and adopt a semi-standing position to help absorb the bumps.

Do not jump wakes or waves - jumping can cause injuries such as back or spinal injury (paralysis).

### Stopping/Docking

When the throttle is released, the watercraft is slowed by water drag against the hull. The stopping distance will vary depending on the watercraft size, weight, speed, water surface condition, presence and direction of wind and current.

The iBR system can also be used for slowing down or for stopping more quickly, and for increasing maneuverability especially when docking.



The operator should practice in open waters at various speeds to become familiarized with the stopping distances under different conditions. Stopping using the iBR system in a straight line and in a turn should be practiced extensively to become familiar with the handling characteristics of the watercraft under partial or full braking conditions.

**⚠ WARNING**

Always practice braking in open waters ensuring there are no watercrafts or boats in your immediate vicinity, especially astern. Other users of the waterways may not be able to maneuver or stop in time to avoid you should you unexpectedly come to a full stop in front of them.

When at speed and the brake is first applied, a plume of water will shoot up in the air behind the watercraft and may cause the operator of a following watercraft to momentarily lose sight of your PWC.

**⚠ WARNING**

It is important to inform the operator of a watercraft who intends to follow in a convoy formation of the braking and maneuvering capability of your PWC, what the plume of water indicates, and that a greater distance should be maintained between both of you.

The operator should also practice docking with an imaginary dock using the various controls available (iBR lever and throttle lever).

Release the throttle at a sufficient distance before the expected landing area.

Reduce speed to idle.

Maneuver using a combination of the iBR lever and throttle lever, shifting to neutral, reverse, or forward as required.

Remember that when operating in reverse, steering direction is reversed. Turning the handlebars to the left will move the stern to the right when backing up, and vice-versa.

**⚠ WARNING**

Directional control is reduced when the throttle is released and/or when engine is off. Steering direction is reversed when operating the watercraft in reverse.

**Beaching**

**NOTICE** It is not recommended to run the watercraft to the beach.

Drive slowly towards the beach and shut off the engine before the water is less than 90 cm (3 ft) deep under the lowest rear portion of the hull. Then pull the watercraft to the beach.

**NOTICE** Riding the watercraft in shallow water may result in damage to the impeller, iBR components, or other jet pump components. Always shut off the engine before water is less than 90 cm (3 ft) deep and never use reverse or braking.

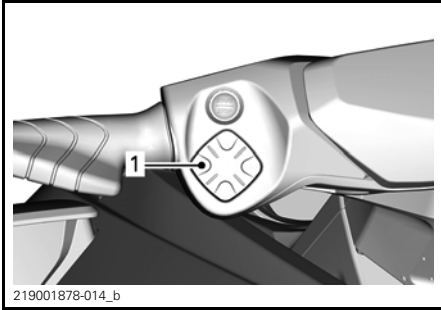


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# OPERATING MODES

To change the operating mode;

- Press MODE button,
- Acknowledge the safety message by pressing and holding MODE button will get the SPORT mode,
- Pressing MODE button again will activate the ECO mode.



219001878-014\_b

1. MODE button

## Touring Mode

By default, the watercraft is set to DEFAULT riding mode of operation when started.

## Sport Mode

SPORT MODE provides for instant throttle response and more rapid accelerations than DEFAULT riding MODE.

Once activated, SPORT MODE will remain active until it is deactivated by the operator, or the engine is shut down whereby it defaults back to DEFAULT riding MODE.

## Activating Sport Mode

To activate the Sport mode, press once on the MODE button while in DEFAULT riding mode. The sport icon will start to flash and a safety message will scroll. For safety reason, follow the instruction in the safety message to activate the sport mode. Once activated, the SPORT icon will turn ON.

## Deactivating Sport Mode

A single press on MODE button will take you to the SKI mode (if available) or ECO mode.

## ECO Mode (Fuel Economy Mode)

ECO mode provides a smoother throttle application and increased fuel economy.

## Learning Key Mode

The learning key provides a mode of operation whereby engine power and speed is limited.

There are 5 speed settings available.

By default, the speed setting is no 1.

Refer to *4.5 DIGITAL DISPLAY* for adjustment.

# SPECIAL PROCEDURES

## Jet Pump Water Intake and Impeller Cleaning

### **⚠ WARNING**

Keep away from intake grate while engine is running. Items such as long hair, loose clothing or personal flotation device straps can become entangled in moving parts.

Weeds, shells or debris can get caught on the intake grate, drive shaft and/or impeller. A clogged water intake may cause troubles such as:

- **Cavitation:** Engine speed is high but watercraft moves slowly due to reduced jet thrust, jet pump components may be damaged.
- **Overheating:** Since the jet pump operation controls the flow of water to cool the exhaust system, a clogged intake will cause the engine to overheat and damage engine internal components.

A weed clogged area can be cleaned as follows:

### **⚠ WARNING**

If it is necessary to reach in to remove any foreign object caught in the propulsion system, the tether cord **MUST BE REMOVED** from the engine cut-off switch.

## In-Water Cleaning

Rock the watercraft several times. Most of the time, this will remove the blockage. Start engine and make sure watercraft operates properly.

**NOTICE** Ensure there is at least 90 cm (3 ft) of water under the lowest rear portion of the hull when all passengers are aboard prior to starting the engine. Otherwise damage to the propulsion system components may occur.

If the aforementioned method does not work, the following can be performed:

- With engine running and before applying throttle, pull the iBR lever in to select reverse operation and vary throttle quickly several times.
- Repeat procedure if necessary.

If system is still blocked, move the watercraft out of the water for cleaning. Refer to *ON-BEACH WATER CLEANING*.

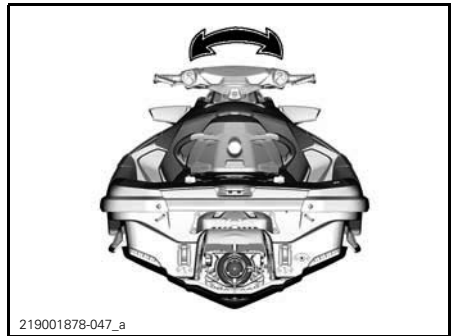
## On-Beach Water Cleaning

### **⚠ WARNING**

The tether cord **MUST BE REMOVED** from the engine cut-off switch to prevent accidental engine starting before cleaning the jet pump area.

Place a cardboard or a carpet beside the watercraft to prevent scratching when turning the watercraft for cleaning.

Rotate the watercraft to any side for cleaning.



Clean the water intake area. If the system is still clogged, refer to an authorized Sea-Doo dealer for servicing.



**NOTICE** Inspect water intake grate for damage. Refer to an authorized Sea-Doo dealer for repair as necessary.

For ease of access to the jet pump area, move the iBR to the forward position, refer to *iBR OVERRIDE FUNCTION* for detailed instructions.

### iBR Override Function

When the iBR override function is activated, it allows the user to electrically move the iBR gate and nozzle through its full range of motion using the VTS control button.

**NOTE:** The iBR override function is only available when the engine is not running.

### **⚠ WARNING**

When moving the iBR gate using the iBR override function, ensure no one is near the rear of the watercraft. Movement of the gate may squeeze fingers.

**NOTICE** An object or tool caught in the iBR system when using the iBR override function may cause damage to the iBR components. Remove all rigid foreign objects that may obstruct the iBR gate travel before moving it.

### **⚠ WARNING**

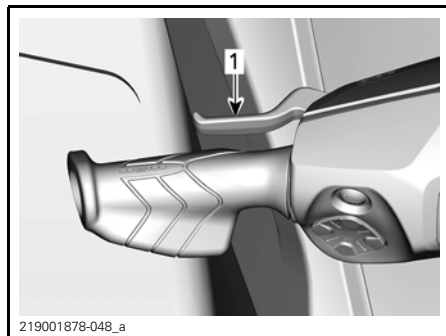
If it is necessary to reach in to remove any foreign object caught in the propulsion system, strictly observe the following before proceeding:

- Remove tether cord from the engine cut-off switch.
- Wait at least 5 minutes.
- Do not press on START/STOP button. Should the START / STOP button is pressed, wait another 5 minutes.

### Activating iBR Override Function

To activate the iBR override function, carry out the following steps.

1. Power up the electrical system by pressing the START/STOP button.
2. Install the tether cord on the engine cut-off switch.
3. Pull in and hold the iBR lever for the entire procedure.



1. iBR lever pulled and held

4. When the **iBR OVERRIDE - PRESS MODE BUTTON** message appears in the multifunction gauge, press the MODE button.

When the function is activated, a ON message will be shown.

5. While still holding the iBR lever in, press the VTS UP/DOWN button to move the iBR gate to the desired position. Ensure the VTS indication in the multifunction gauge changes with the iBR gate movement. If the iBR gate moves upwards, the indication moves upwards.
6. Release the iBR lever.
7. Remove the tether cord from the engine cut-off switch.

**⚠ WARNING**

If it is necessary to reach in to remove any foreign object caught in the propulsion system, strictly observe the following before proceeding:

- Remove tether cord from the engine cut-off switch.
- Wait at least 5 minutes.
- Do not press on START/STOP button. Should the START / STOP button be pressed, wait another 5 minutes.

**Capsized Watercraft**

The watercraft is designed so that it should not turn over easily. Two sponsors mounted on the side of the hull assist watercraft stability. If it turns over, it will remain capsized.

To turn the watercraft upright, ensure the engine is off and the D.E.S.S. key is **NOT** on its post, then grab the inlet grate, step on a side bumper rail and use your weight to rotate the watercraft towards you.

**NOTE:** A label on the stern near the flushing connector provides instructions on how to turn the watercraft right side up. The label is upside down so that it can be read when the watercraft is overturned.



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TYPICAL

The engine features a tip-over protection system (T.O.P.S.™). When the watercraft tips over, the engine is automatically stopped.

When the watercraft is returned to its normal operating position, the engine can be started normally.

**NOTICE** If the watercraft has been capsized for more than 5 minutes, do not attempt to crank the engine to avoid water ingestion that would damage the engine. See an authorized Sea-Doo dealer as soon as possible.

**NOTICE** If the engine does not crank, do not attempt to start it anymore. Otherwise, the engine could be damaged. See an authorized Sea-Doo dealer as soon as possible.

As soon as possible, check for presence of water in the bilge. Drain as necessary when back to the shore.

**Submerged Watercraft**

To limit damages to the engine, perform the following procedure as soon as possible.

Drain bilge.

If it was submerged in salt water, spray bilge and all components with fresh water using a garden hose to stop the salt corroding effect.

**NOTICE** Never try to crank or start the engine. Water trapped in intake manifold would flow towards the engine and possibly cause severe engine damage.

Bring the watercraft to an authorized Sea-Doo dealer as soon as possible to have it serviced.

**NOTICE** The longer the delay before you have the engine serviced, the greater the damage to the engine will be.

## Water-Flooded Engine

**NOTICE** Never try to crank or start the engine. Water trapped in intake manifold would flow towards the engine and possibly cause severe engine damage.

Bring the watercraft to an authorized Sea-Doo dealer as soon as possible to have it serviced.

**NOTICE** The longer the delay before you have the engine serviced, the greater the damage to the engine will be. Failure to have the engine properly serviced may cause severe engine damage.

## Towing the Watercraft in Water

Special precautions should be taken when towing a Sea-Doo watercraft in water.

The maximum recommended towing speed is 32 km/h (20 MPH).

This will prevent the exhaust system from filling with water, which may lead to water being injected into and filling the engine. Without the engine running, there isn't any exhaust pressure to push the water out the exhaust outlet.

**NOTICE** Failure to follow these instructions may result in damage to the engine. If you must tow a stranded watercraft in water, be sure not to exceed the maximum towing speed of 32 km/h (20 MPH).

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# ***MAINTENANCE***

# MAINTENANCE SCHEDULE

Maintenance is very important for keeping the watercraft in a safe operating condition. The watercraft should be serviced as per the maintenance schedule.

## **WARNING**

Failure to properly maintain the vehicle according to the maintenance schedule and procedures can make it unsafe to operate.

### *EPA Regulation - Canadian and USA Vehicles*

A repair shop or person of the owner's choosing may maintain, replace, or repair emission control devices and systems. These instructions do not require components or service by BRP or authorized Sea-Doo dealers.

Although an authorized Sea-Doo dealer has an in-depth technical knowledge and tools to service your vehicle, the emission-related warranty is not conditioned on the use of an authorized Sea-Doo dealer or any other establishment with which BRP has a commercial relationship.

Proper maintenance is the owner's responsibility. A warranty claim may be denied if, among other things, the owner or operator caused the problem through improper maintenance or use.

For emission-related warranty claims, BRP is limiting the diagnosis and repair of emission-related parts to the authorized Sea-Doo dealers. For more information, please refer to the *US EPA EMISSION-RELATED WARRANTY* contained in the *WARRANTY* section.

You must follow the instructions for fuel requirements in the fueling section of this manual. Even if gasoline containing greater than ten volume percent ethanol is readily available, the US EPA issued a prohibition against the use of gasoline containing greater than 10 vol% ethanol that applies to this vehicle. The use of gasoline containing greater than 10 vol% ethanol with this engine may harm the emission control system.

The maintenance schedule does not exempt the Pre-Ride Inspection and Post Operation Care.

#### **AFTER EACH RIDE IN SALT OR DIRTY WATER**

Rinse engine compartment with fresh water and drain salt water

Flush exhaust system

#### **EVERY MONTH IN SALT OR DIRTY WATER**

Spray anticorrosion lubricant to metallic components in engine compartment (every 10 hours in salt water use)

Inspect sacrificial anodes

**EVERY YEAR AT PRESEASON OR 100 HOURS OF OPERATION  
(WHICHEVER COMES FIRST)**

Inspect sacrificial anodes

Check for fault codes

Perform all items indicated in the Pre-Ride Inspection and Post Operation Care

Replace engine oil and filter

Inspect engine rubber mounts

Inspect the cooling system (coolant level, hoses and fasteners for leaks)

Visually inspect connection between throttle body and intake manifold

Inspect the air intake for damage on hoses and clamps

Inspect electrical connections and fastening (ignition system, starting system, fuel injectors, fuse box etc.)

Visually inspect area around carbon ring and drive shaft rubber bellows for the following signs of failure: black carbon dust and water sprays (more frequently when using PWC in dirty water)

Visually inspect impeller and bellow

Visually inspect impeller and wear ring for deep scratches, nicks and grooves

Remove impeller cover and inspect for signs of water intrusion

Visually inspect reverse gate bushing for excessive play

Inspect fuel cap, filler neck, fuel tank, straps, fuel lines and connections

**EVERY 2 YEARS OR 200 HOURS OF OPERATION  
(WHICHEVER COMES FIRST)**

Replace spark plugs

Validate condition of jet pump bearing by manually spinning impeller checking for radial shaft play or noise

Verify and lubricate splines of the drive shaft and impeller

**EVERY 5 YEARS OR 300 HOURS OF OPERATION  
(WHICHEVER COMES FIRST)**

Replace the coolant

# MAINTENANCE PROCEDURES

This section includes instructions for basic maintenance procedures.

## WARNING

Turn off the engine and follow these maintenance procedures when performing maintenance. If you do not follow proper maintenance procedures you can be injured by hot parts, moving parts, electricity, chemicals or other hazards.

## WARNING

Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required, always replace with a new one.

**NOTICE** Never leave any object, rag, tool, etc., in the engine compartment or in the bilge.

## Engine Oil

### Recommended Engine Oil

Rotax® engines were developed and validated using the XPS™ oil. BRP recommends the use of its XPS engine oil or an equivalent at all time. Do not add any additives to the recommended engine oil. Damages caused by the use of an oil not suitable for the engine or by adding of an additives may not be covered by the BRP Limited Warranty.

### XPS RECOMMENDED ENGINE OIL

4T 5W40 Synthetic blend oil


### IF THE RECOMMENDED XPS ENGINE OIL IS NOT AVAILABLE

Use a 5W40 4-stroke SAE synthetic engine oil meeting or exceeding the following lubricant industry specifications. Always check the API service label certification on the oil container, it must contain at least one of the indicated standards. API service classification SJ, SL, SM or SN

Do not add any oil additives to the recommended engine oil. Damages caused by the use of an oil not suitable for the engine or by adding of an oil additives may not be covered by the BRP Limited Warranty.

### Engine Oil Level


**NOTICE** Operating the engine with an improper level may severely damage engine.

 **CAUTION** Many components in the engine compartment may be very hot. Direct contact may result in skin burn.

Oil level can be checked with watercraft either in or out of water.

### If Watercraft is Out of the Water

**NOTICE** Watercraft must be level.

 **CAUTION** When operating the engine while the watercraft is out of water, the heat exchanger in the ride plate may become very hot. Avoid any contact with the ride plate as burns may occur.

1. Raise trailer tow pole, then block in position when bumper rail is level.

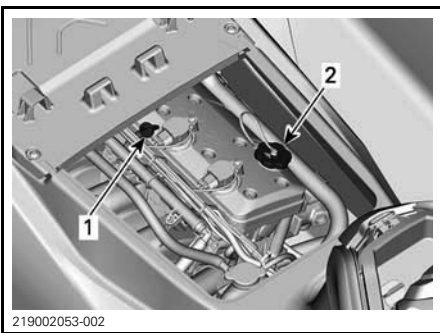


2. Install a garden hose on the exhaust system flushing connector. Refer to *EXHAUST SYSTEM* in this section and follow the procedure.

**NOTICE**

- Never run engine without supplying water to the exhaust system. Failure to cool exhaust system may severely damage it.
- Never run engine longer than 2 minutes. Drive line seal has no cooling when watercraft is out of water.

3. Remove the seats.
4. Start the engine.
5. Open the water tap.
6. Run the COLD engine at **idle for 30 seconds**.
7. Close water tap.
8. Bring engine RPM to 4000-4500 RPM for 15 seconds.
9. Stop the engine abruptly by pressing the start/stop button or removing the tether cord.
10. Wait at least 30 seconds for the oil to settle in the engine, then pull dipstick out and wipe clean.



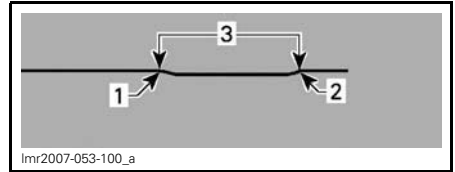
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**TYPICAL**

1. Oil dipstick
2. Oil filler cap

11. Reinstall dipstick, push in completely.

12. Remove dipstick again and read oil level. It should be between the FULL and ADD marks.



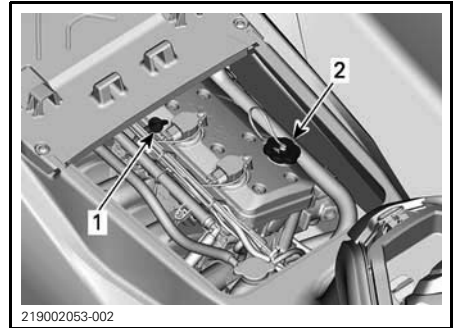
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**TYPICAL**

1. Full
2. Add
3. Operating range

13. Add oil to ensure the level is between marks as required.
  - 13.1 Remove oil cap.
  - 13.2 Place a funnel in valve cover opening.
  - 13.3 Add a small amount of the recommended oil to reach the proper level.

**NOTICE** Do not overfill.



219002053-002

**TYPICAL**

1. Oil dipstick
2. Oil filler cap

**NOTE:** Every time oil is added in the engine, the complete procedure explained in this section must be carried out again. Otherwise, you will obtain a false oil level reading.

14. Properly reinstall oil cap and dipstick.

**NOTICE** Ensure that oil filler cap is tightened properly. Otherwise engine oil can spill out.

### Engine Oil Change and Oil Filter Replacement

The oil change and filter replacement may be performed by an authorized Sea-Doo dealer, repair shop, or person of your own choosing.

## Engine Coolant

### Recommended Engine Coolant

<b>XPS RECOMMENDED COOLANT</b>
Extended life pre-mixed coolant
<b>If THE RECOMMENDED XPS COOLANT IS NOT AVAILABLE</b>
Use a low silicate, extended life ethylene-glycol premixed coolant (50%-50%) specifically formulated for internal combustion aluminum engines.

**NOTICE** Always use ethylene-glycol antifreeze containing corrosion inhibitors specifically for internal combustion aluminum engines.

To prevent antifreeze deterioration, always use the same brand and grade. Never mix different brands or grades unless cooling system is completely flushed and refilled.

### Engine Coolant Level

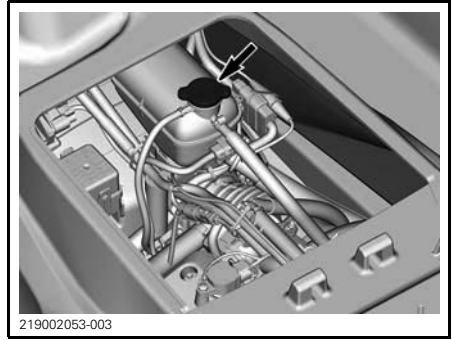
**⚠ WARNING**

Check coolant level with engine cold. Never add coolant when engine is hot.

**⚠ CAUTION** Many components in the engine compartment may be very hot. Direct contact may result in skin burn.

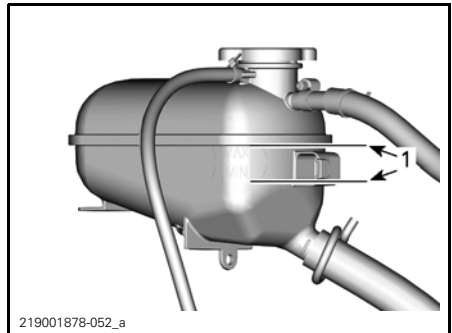
Remove seats.

Locate the expansion tank cap.



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With watercraft on a level surface, coolant level should be between MIN. and MAX. marks on coolant reservoir when engine is cold.



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### COOLANT EXPANSION TANK

1. Level between marks when engine is cold

**NOTE:** The watercraft is level when it is in water. When on a trailer, raise trailer tow pole and block in this position when bumper rail is level.

Add coolant, see *RECOMMENDED ENGINE COOLANT* for specification, to adjust coolant level between marks as required. Use a funnel to avoid spillage. Do not overfill.

Properly tighten the expansion tank cap. Reinstall seats.

**NOTE:** A cooling system that frequently requires coolant is an indication of leaks or engine problems. See an authorized Sea-Doo dealer.

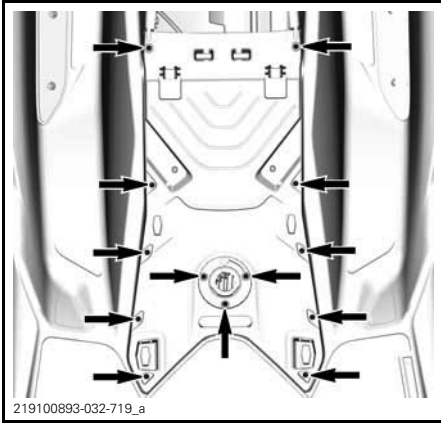
## Engine Coolant Replacement

Coolant replacement should be performed by an authorized Sea-Doo dealer.

## Ignition Coils

### Ignition Coil Access

1. Remove seats.
2. Remove engine service cover by removing the retaining screws.



### Ignition Coil Removal

1. Disconnect ignition coil connector.

**NOTICE** Do not pry on ignition coil using any tool.

2. Remove ignition coil retaining screw.
3. Remove ignition coil from spark plug by rotating coil side to side as you pull up.

### Ignition Coil Installation

1. Install ignition coil on spark plug.
2. Align the retaining screw hole of the ignition coil with the threaded hole on the valve cover.
3. Push the ignition coil all the way down until it rests on the valve cover.

4. Install and tighten retaining screw.

TIGHTENING TORQUE	
Ignition coil retaining screw	9 N•m ± 1 N•m (80 lb•in ± 9 lb•in)

5. Reconnect ignition coil connector.

## Spark Plugs

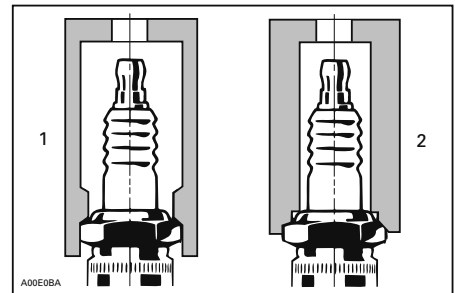
### Spark Plug Removal

1. Remove ignition coil. Refer to *IGNITION COIL REMOVAL*.

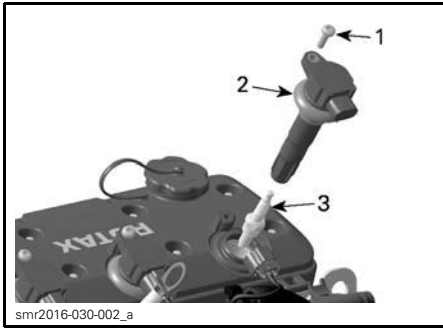
**⚠ WARNING**

Never remove an ignition coil from a spark plug without disconnecting it from the wiring harness. Flammable vapors may be present in the bilge. Should the tether cord be installed on the engine cut-off switch, a spark could be generated at the coil spark plug end which could cause an explosion.

2. Unscrew spark plug completely using a spark plug socket.



3. Clean the spark plug and cylinder head with compressed air.
4. Use the ignition coil to take spark plug out of its hole.



1. Retaining screw
2. Ignition coil
3. Spark plug

### Spark Plug Installation

Prior to installation, ensure the contact surfaces of the cylinder head and spark plug are free of grime.

1. Using a wire feeler gauge, check electrode gap as specified in *TECHNICAL SPECIFICATIONS*.
2. Hand screw spark plug into cylinder head. Then, tighten the spark plug to specification with a spark plug socket.

TIGHTENING TORQUE	
Spark plug	18 N•m ± 2 N•m (159 lbf•in ± 18 lbf•in)

3. Install ignition coil. Refer to *IGNITION COIL INSTALLATION*.
4. Install the engine service cover and tighten the screws to specification.

TIGHTENING TORQUE	
Engine service cover screws	2.75 N•m ± 0.25 N•m (24 lbf•in ± 2 lbf•in)

5. Install the seats.

## Exhaust System

### Exhaust System Flushing

Flushing the exhaust system with fresh water is essential to neutralize corroding effects of salt or other chemical products present in water. It will

help to remove sand, salt, shells or other particles in water jackets and/or hoses.

Flushing the exhaust system with fresh water is essential to neutralize corroding effects of salt or other chemical products present in water. It will help to clean up sand, salt, shells or other particles in water jackets and hoses).

Exhaust system flushing should be performed when the watercraft is not expected to be used further the same day or when the watercraft is stored for any extended time.

**NOTICE** Failure to flush the system, when necessary, will severely damage exhaust system. Make sure engine operates during entire procedure.

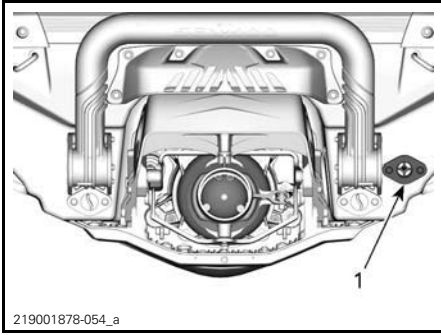
**⚠ WARNING**

Perform these operations in a well ventilated area. Certain components in the engine compartment may be very hot. Direct contact may result in skin burn. Do not touch any electrical part or jet pump area when engine is running.

**⚠ WARNING**

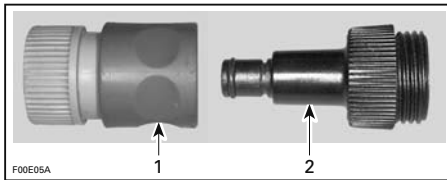
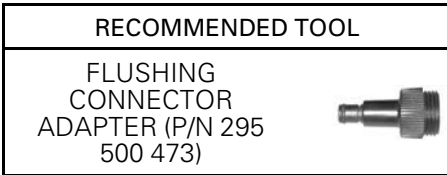
When operating the engine while the watercraft is out of the water, the heat exchanger in the ride plate may become very hot. Avoid any contact with ride plate as burns may occur.

Connect a garden hose to connector located at the rear of watercraft. Do not open water tap yet.



1. Water inlet connector

**NOTE:** The following tool is recommended when a quick connect adapter is used to ease garden hose installation.



1. Quick connect adapter  
2. Flushing connector adapter

To flush the exhaust system, start the engine then immediately open the water tap.

**NOTICE** Always start the engine before opening the water tap. Open water tap immediately after engine is started to prevent overheating. Never run engine without supplying water to the exhaust system when watercraft is out of water.

Run the engine 90 seconds at idle.

**NOTICE** Never run engine longer than 2 minutes. Drive line seal has no cooling when watercraft is out of water.

Ensure water flows out of jet pump while flushing.

Close the water tap, run the engine at 5000 rpm for 5 seconds and then stop the engine.

**NOTICE** Always close the water tap before stopping the engine.

Disconnect the garden hose and the flushing connector adapter (if used).

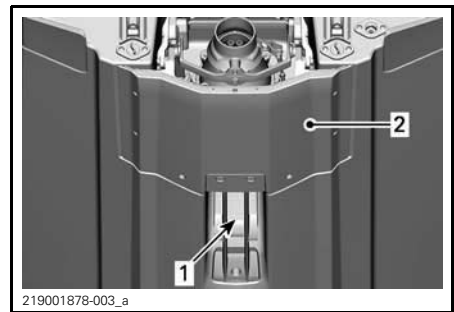
## Ride Plate and Water Intake Grate

### Ride Plate and Water Intake Grate Inspection

Inspect ride plate and jet pump water intake grate for damage. See your Sea-Doo dealer to have any damaged part repaired or replaced.

**⚠ WARNING**

The tether cord must always be removed from the engine cut-off switch prior to inspecting the intake grate.



### INSPECT THESE AREAS

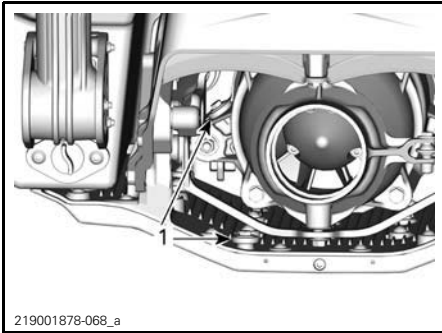
1. Water intake  
2. Ride plate

## Sacrificial Anodes

### Sacrificial Anode Inspection

Sacrificial anodes are present on:

- Pump
- Ride plate.



1. Sacrificial anodes

Check for wear. If worn more than half, see an authorized Sea-Doo dealer for anode replacement.

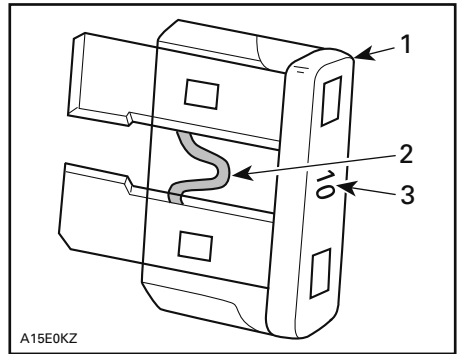
## Fuses

### Fuse Removal and Installation

Use the fuse remover/installer included in the fuse box to ease fuse removal.

### Fuse Inspection

If an electrical problem occurs, check the fuses. If a fuse is burnt, replace by one of the same rating.



#### TYPICAL

1. Fuse
2. Check if melted
3. Ampere rating

## ⚠ WARNING

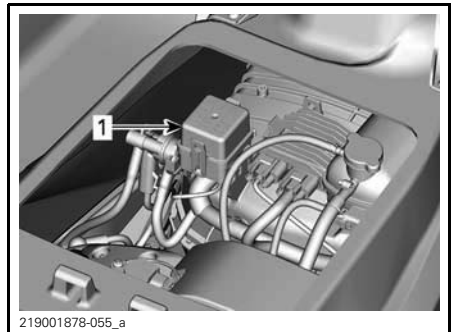
Do not use a higher rated fuse as this can cause severe damage. If a fuse has burnt out, the source of the malfunction should be determined and corrected before restarting. See an authorized Sea-Doo dealer for servicing.

### Fuse Location

All fuses are located inside a single fuse box.

To access the fuse box:

Remove seats.



1. Fuse box

To remove a fuse box cover, squeeze locking tabs together, hold and pull fuse box cover to open.

**NOTE:** Fuse ratings and positions are illustrated on the fuse box cover.

### Fuse Description

FUSE	RATING	DESCRIPTION
1	—	Not used
2	15 A	Fuel Inj., Ing. Coils and Fuel Pump
3	—	Not used
4	—	Not used
5	—	Not used
6	30 A	Charge
7	5 A	Cluster
8	—	Not used
9	30 A	iBR
10	5 A	Start/Stop
11	5 A	ECM
12	30 A	Battery
13	15 A	Diagnostic Tool 2
14	15 A	Diagnostic Tool 1, Accessory connector

---

# WATERCRAFT CARE

Remove the watercraft from the water every day.

## Post-Operation Care

### Exhaust System Flushing

The exhaust system should be flushed daily when watercraft is used in salt or foul water.

Refer to *MAINTENANCE PROCEDURES*.

### Additional Care for Foul Water or Salt Water Operation

When the watercraft is operated in foul water and particularly in salt water, additional care should be taken to protect the watercraft and its components.

Rinse watercraft bilge area with fresh water.

Never use a high pressure washer to clean the bilge. **USE LOW PRESSURE ONLY** (such as a garden hose).

High pressure can cause damages to electrical or mechanical systems.

**⚠ CAUTION** Allow engine to cool before performing any maintenance.

**NOTICE** Failure to perform proper care such as: watercraft rinsing, exhaust system flushing and anticorrosion treatment, when watercraft is used in salt water, will result in damage to the watercraft and its components. Never leave the watercraft stored in direct sunlight.

## Watercraft Cleaning

### Body and Hull

Occasionally, wash the hull and various body components with water and soap (use only mild detergent). Remove any marine organisms from engine and/or hull. Apply non-abrasive wax such as silicone wax.

**NOTICE** Never clean using the following products:

- Strong detergent
- Degreasing agent
- BRP HEAVY DUTY CLEANER (P/N 293 110 001)
- Ammonia
- Acetone or other ketones
- Alcohol
- Toluene or other aromatic solvents
- Chlorinated solvents
- Mineral spirits
- Paint thinners
- Petroleum based products.

Stains may be removed from the seat and fiberglass using the XPS All Purpose Cleaner and Degreaser or the equivalent.

To clean the carpets, use 3M™ Citrus Base Cleaner (24 oz spray can) or an equivalent.

### **⚠ WARNING**

Never apply plastic or vinyl protector on the carpets or seat as the surface will become slippery and the occupants may slip off the watercraft.

Respect the environment by ensuring fuel, oil or cleaning solutions do not drain into the waterways.



# STORAGE AND PRESEASON PREPARATION

## Storage

### WARNING

Because fuel and oil are flammable, you should have an authorized Sea-Doo dealer, repair shop, or person of your own choosing to inspect the fuel system integrity as specified in the periodic inspection chart.

It is recommended that the watercraft be serviced by an authorized Sea-Doo dealer, repair shop, or person of your own choosing for storage, however the following operations can be performed by you with a minimum of tools.

**NOTE:** Carry out the following tasks in the same order as detailed in this section.

**NOTICE** Do not run the engine during the storage period.

## Propulsion System

### Jet Pump Cleaning

Clean jet pump by spraying water in its inlet and outlet and then apply a coat of LUBRICANT AND ANTI-CORROSIVE (P/N 779168) or equivalent.

### WARNING

Always remove tether cord from the engine cut-off switch to prevent unexpected engine starting before cleaning the jet pump area. Engine must not be running for this operation.

### Jet Pump Inspection

See your authorized Sea-Doo dealer.

## Fuel System

### Fuel System Protection

A fuel stabilizer should be added in the fuel tank to prevent fuel deterioration and fuel system gumming. Follow stabilizer manufacturers' instructions for proper use.

SERVICE PRODUCT
-----------------

FUEL STABILIZER (P/N 779171)
------------------------------

**NOTICE** It is highly recommended to add fuel stabilizer at storage in order to maintain fuel system in good condition. Fuel stabilizer should be added prior to engine lubrication and fuel tank top up to ensure fuel system components protection against varnish deposits.

Fill up fuel tank completely as explained in *FUELING* section. Make sure there is no water inside fuel tank.

**NOTICE** Should any water be trapped inside fuel tank, severe internal damage will occur to the fuel injection system.

## Engine and Exhaust

### Exhaust System Flushing

Perform procedure as described in *MAINTENANCE PROCEDURES*.

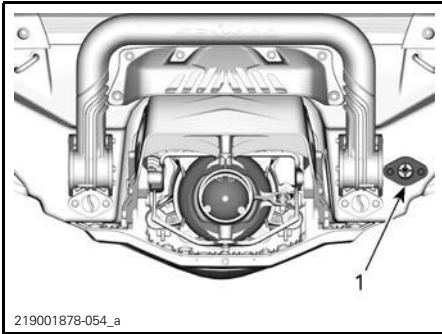
### Engine Oil and Filter Replacement

The oil change and filter replacement may be performed by an authorized Sea-Doo dealer, repair shop, or person of your own choosing.

### Exhaust System Draining

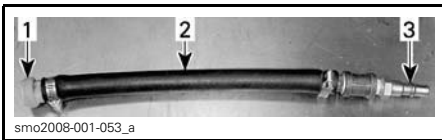
In areas where temperature may freeze, water trapped in the exhaust system and intercooler must be removed.

Using the flushing connector, inject pressurized air at 379 kPa (55 PSI) into system until there is no more water flowing from jet pump.



1. Flushing connector

The following hose can be fabricated to ease draining procedure.



**TYPICAL**

1. Flushing connector adapter
2. Hose 12.7 mm (1/2 in)
3. Air hose male adapter

**NOTICE** Failure to drain the exhaust system may cause severe damage to the exhaust manifold.

Remove special tools.

**Engine Internal Lubrication**

1. Remove the seats.
2. Remove spark plugs, refer to *MAINTENANCE PROCEDURES*.
3. Spray LUBRICANT AND ANTI-CORROSIVE (P/N 779168) or equivalent in spark plug holes.
4. To prevent fuel from being injected and to disable the ignition during engine cranking, fully depress throttle lever and HOLD against handlebar.

5. Press the START/STOP button to crank the engine a few turns. This will distribute the oil on the cylinder walls.
6. Apply anti-seize lubricant on spark plug threads, then reinstall them in the engine. Refer to *MAINTENANCE PROCEDURES*.
7. Install the ignition coils, refer to *MAINTENANCE PROCEDURES*.

**Engine Coolant Test**

If antifreeze is not replaced, test its density.

The antifreeze replacement and a density test should be performed by an authorized Sea-Doo dealer.

**NOTE:** Antifreeze should be replaced every 300 hours or every 5 years to prevent antifreeze deterioration.

**NOTICE** Improper antifreeze density may result in freezing of the liquid in the cooling system if the watercraft is stored in an area where the freezing point is attained. This would seriously damage the engine.

**Electrical System**

**Battery Removal and Charging**

Contact your authorized Sea-Doo dealer.

**⚠ WARNING**

Never charge or boost the battery while installed in the watercraft.

**Engine Compartment**

**Engine Compartment Cleaning**

Clean the bilge with hot water and detergent or with bilge cleaner. Rinse thoroughly. Lift front end of watercraft to completely drain bilge through the bilge drain plugs.

## Anticorrosion Treatment

Wipe off any residual water in the engine compartment.

Spray LUBRICANT AND ANTI-CORROSIVE (P/N 779168) or equivalent over all metallic components in engine compartment.

**NOTE:** The seat should be removed during storage. This will prevent engine compartment condensation and possible corrosion.

## Body and Hull

### Body and Hull Cleaning

Wash the body with a soap and water solution (use only mild detergent). Rinse thoroughly with fresh water. Remove marine organisms from the hull.

**NOTICE** Never clean using the following products:

- Strong detergent
- Degreasing agent
- BRP HEAVY DUTY CLEANER (P/N 293 110 001)
- Ammonia
- Acetone or other ketones
- Alcohol
- Toluene or other aromatic solvents
- Chlorinated solvents
- Mineral spirits
- Paint thinners
- Petroleum based products.

### Body and Hull Repair

If any repairs are needed to body components or to the hull, contact your authorized Sea-Doo dealer.

### Body and Hull Protection

Apply a good quality marine wax to the body.

If the watercraft is to be stored outside, cover it with an opaque tarpaulin to prevent sun rays and grime from affecting

the plastic components, watercraft finish, as well as preventing dust accumulation.

**NOTICE** The watercraft should never be left in water for storage. Never leave the watercraft stored in direct sunlight. Never store watercraft in a plastic bag.

## Preseason Preparation

Maintenance preparation must be performed in conjunction with *MAINTENANCE SCHEDULE*.

Ensure to perform all tasks included in the **100 HOURS OR 1 YEAR** table.

Preseason maintenance preparation may be performed by an authorized Sea-Doo dealer, repair shop or person of your own choosing.

**NOTE:** Though not required, it is recommended that an authorized Sea-Doo dealer perform preseason maintenance preparation at the same time that any safety-related factory campaigns are performed by the authorized Sea-Doo dealer.

### WARNING

Only perform procedures as detailed in the *MAINTENANCE SCHEDULE*. It is recommended that the assistance of an authorized Sea-Doo dealer be periodically obtained on other components and systems not covered in this guide.

**NOTICE** When component conditions seem less than satisfactory, replace using genuine BRP parts, or equivalents.

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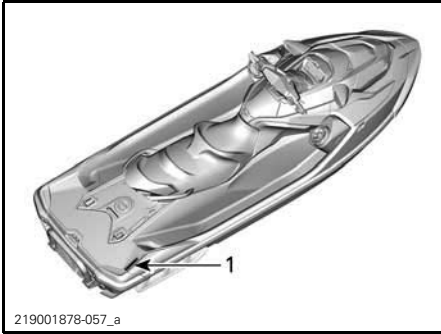
# ***TECHNICAL INFORMATION***

# WATERCRAFT IDENTIFICATION

The main components of the watercraft (engine and hull) are identified by different serial numbers. It may sometimes become necessary to locate these numbers for warranty purposes or to trace the watercraft in the event of theft.

## Hull Identification Number

The Hull Identification Number (HIN) is located on footboard at the rear of watercraft.



219001878-057\_a

**TYPICAL**

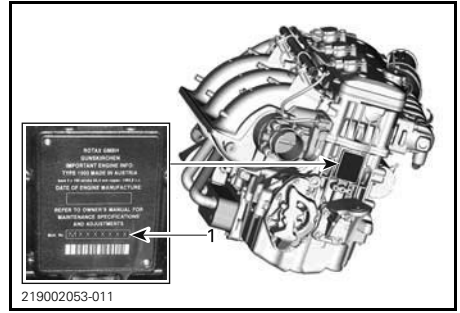
1. Hull Identification Number (HIN)

It is composed of 12 digits:

YDV	12345	L	8	09
				Model year
				Year of production
				Month of production
				Serial number (a letter may also be used as a digit)
				Manufacturer

## Engine Identification Number

The Engine Identification Number (EIN) is located on the front end of the engine.

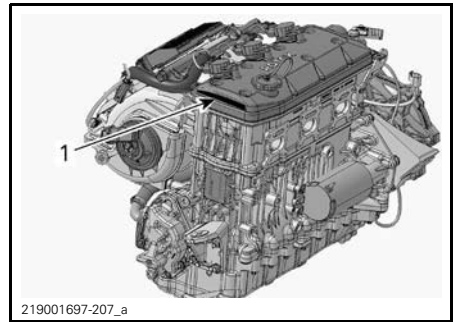


219002053-011

**TYPICAL**

1. Engine Identification Number (EIN)

## Engine Manufacturer Identification



219001697-207\_a

**TYPICAL**

1. Engine Manufacturer Identification



EN-219905868-DEC

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## **RF D.E.S.S. KEY**

This device complies with FCC Part 15 and Industry Canada license exempt RSS standard(s).

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC Registration Number: 12006A-M01456

FCC ID: 2ACERM01456

We, the party responsible for compliance, declare under our sole responsibility that the device is in conformity with the provisions of the following Council Directive: 2014/53/EU. To which this declaration relates is in conformity with the essential requirements and other relevant requirements. The product is in conformity with the following directives, harmonized standards and regulations:

Radio Equipment Directive (RED) 2014/53/EU and Harmonized Standards:

EN 300 330-2, EN 60950-1

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# MULTIFUNCTION GAUGE REGULATORY INFORMATION

Simplified Declaration of Conformity

Simplified EU Declaration of Conformity according Radio Equipment Directive 2014/53/EU



## Manufacturer and Address

Manufacturer:

- Robert Bosch LLC

Address:

- 38000 Hills Tech Drive,  
Farmington Hills, MI 48331,  
USA



DE

Hiermit erklärt Robert Bosch LLC, dass der Funkanlagentyp VIPMIDGPS der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: eu-doc.bosch.com

FR

Le soussigné, Robert Bosch LLC, déclare que l'équipement radioélectrique du type VIPMIDGPS est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: eu-doc.bosch.com

BG

С настоящото Robert Bosch LLC декларира, че този тип радиосъоръжение VIPMIDGPS е в съответствие с Директива 2014/53/ЕС.

Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: eu-doc.bosch.com

EL

Με την παρούσα ο/η Robert Bosch LLC, δηλώνει ότι ο ραδιοεξοπλισμός VIPMIDGPS πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: eu-doc.bosch.com

CS

Tímto Robert Bosch LLC prohlašuje, že typ rádiového zařízení VIPMIDGPS je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: eu-doc.bosch.com

DA

Hermed erklærer Robert Bosch LLC, at radioudstyrstypen VIPMIDGPS er i overensstemmelse med direktiv 2014/53/EU.

EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: eu-doc.bosch.com

ET

Käesolevaga deklareerib Robert Bosch LLC, et käesolev raadioseadme tüüp VIPMIDGPS vastab direktiivi 2014/53/EL nõuetele.

ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: eu-doc.bosch.com

ES

Por la presente, Robert Bosch LLC declara que el tipo de equipo radioeléctrico VIPMIDGPS es conforme con la Directiva 2014/53/UE.

El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: eu-doc.bosch.com

FI

Robert Bosch LLC vakuuttaa, että radiolaitetyyppi VIPMIDGPS on direktiivin 2014/53/EU mukainen. EU-vaatustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: eu-doc.bosch.com

EN

Hereby, Robert Bosch LLC declares that the radio equipment type VIPMIDGPS is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: eu-doc.bosch.com

HR

Robert Bosch LLC ovime izjavljuje da je radijska oprema tipa VIPMIDGPS u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izvje o sukladnosti dostupan je na sljedećoj internetskoj adresi: eu-doc.bosch.com

HU

Robert Bosch LLC igazolja, hogy a VIPMIDGPS típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: eu-doc.bosch.com

IT

Il fabbricante, Robert Bosch LLC, dichiara che il tipo di apparecchiatura radio VIPMIDGPS è conforme alla direttiva 2014/53/UE.

Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: eu-doc.bosch.com

LT

Aš, Robert Bosch LLC, patvirtinu, kad radijo įrenginių tipas VIPMIDGPS atitinka Direktyvą 2014/53/ES.

Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: eu-doc.bosch.com

LV

Ar šo Robert Bosch LLC deklarē, ka radioiekārta VIPMIDGPS atbilst Direktīvai 2014/53/ES.

Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: eu-doc.bosch.com

MT

B'dan, Robert Bosch LLC, niddikjara li dan it-tip ta' tagħmir tar-radju VIPMIDGPS huwa konformi mad-Direttiva 2014/53/UE.

It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: eu-doc.bosch.com

NL

Hierbij verklaar ik, Robert Bosch LLC, dat het type radioapparatuur VIPMIDGPS conform is met Richtlijn 2014/53/EU.

De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: eu-doc.bosch.com

PL

Robert Bosch LLC niniejszym oświadcza, że typ urządzenia radiowego VIPMIDGPS jest zgodny z dyrektywą 2014/53/UE.

Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: eu-doc.bosch.com

PT

O(a) abaixo assinado(a) Robert Bosch LLC declara que o presente tipo de equipamento de rádio VIPMIDGPS está em conformidade com a Diretiva 2014/53/UE.

O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: eu-doc.bosch.com

RO

Prin prezenta, Robert Bosch LLC declară că tipul de echipamente radio VIPMIDGPS este în conformitate cu Directiva 2014/53/UE.

Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: eu-doc.bosch.com

SV

Härmed försäkrar Robert Bosch LLC att denna typ av radioutrustning VIPMIDGPS överensstämmer med direktiv 2014/53/EU.

Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: eu-doc.bosch.com

SL

Robert Bosch LLC potrjuje, da je tip radijske opreme VIPMIDGPS skladen z Direktivo 2014/53/EU.

Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu: eu-doc.bosch.com

SK

Robert Bosch LLC týmto vyhlasuje, že rádiové zariadenie typu VIPHI2BT je v súlade so smernicou 2014/53/EÚ.

Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese: eu-doc.bosch.com

IS

Robert Bosch LLC lýsir því hér með yfir að þráðlausí fjarskiptabúnaðurinn VIPMIDGPS er í samræmi við tilskipun 2014/53/ESB.

Óstyttan texta ESB-samræmisýfirlýsingarinnar er að finna á veffanginu: eu-doc.bosch.com

Liechtenstein

Hiermit erklärt Robert Bosch LLC, dass der Funkanlagentyp VIPMIDGPS der Richtlinie 2014/53/EU entspricht.

Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: eu-doc.bosch.com

NO

Hermed erklærer Robert Bosch LLC at radioustyrstypen VIPMIDGPS er i samsvar med direktiv 2014/53/EU.

Hele teksten i EU-samsvarserklæringen finnes på følgende internetadresse: eu-doc.bosch.com

RU

Компания Robert Bosch LLC настоящим заявляет, что радиотехническое оборудование категории VIPMIDGPS отвечает требованиям Директивы 2014/53/EU. Полный текст декларации соответствия ЕС доступен на сайте eu-doc.bosch.com.

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# ENGINE EMISSIONS INFORMATION

## Manufacturer's Responsibility

Beginning with 1999 model year engines, PWC manufacturers of marine engines must determine the exhaust emission levels for each engine horsepower family and certify these engines with the United States of America Environmental Protection Agency (EPA). An emissions control information label, showing emission levels and engine specifications, must be placed on each watercraft at the time of manufacture.

## Dealer's Responsibility

When performing service on all 1999 and more recent Sea-Doo watercraft that carry an emissions control information label, adjustments must be kept within published factory specifications.

Replacement or repair of any emission related component must be executed in a manner that maintains emission levels within the prescribed certification standards.

Dealers are not to modify the engine in any manner that would alter the horsepower or allow emission levels to exceed their predetermined factory specifications.

Exceptions include manufacturer's prescribed changes, such as altitude adjustments for example.

## Owner Responsibility

The owner/operator is required to have engine maintenance performed to maintain emission levels within prescribed certification standards.

The owner/operator is not to, and should not allow anyone to modify the engine in any manner that would alter the horsepower or allow emissions levels to exceed their predetermined factory specifications.

## EPA Emission Regulations

All 1999 and more recent Sea-Doo watercraft manufactured by BRP are certified to the EPA as conforming to the requirements of the regulations for the control of air pollution from new watercraft engines. This certification is contingent on certain adjustments being set to factory standards. For this reason, the factory procedure for servicing the product must be strictly followed and, whenever practicable, returned to the original intent of the design.

The responsibilities listed above are general and in no way a complete listing of the rules and regulations pertaining to the EPA requirements on exhaust emissions for marine products. For more detailed information on this subject, you may contact:

U.S. Environmental Protection Agency  
Certification Division  
Gasoline Engine Compliance Center  
2000 Traverwood Drive  
Ann Arbor MI 48105  
USA

EPA INTERNET WEB SITE:  
[www.epa.gov/otaq](http://www.epa.gov/otaq)

## EVAPORATIVE EMISSION CONTROL SYSTEM

Starting with MY 2018; personal watercraft sold in the State of California are certified to the California evaporative emissions regulations for spark ignition marine watercraft of the California Air Resources Board (13 CCR 2850 to 2869). These models are equipped with an evaporative emission control system consisting of Low Permeation Fuel Tank (LPFT), Low Permeation Fuel Line (LPFL) and a Pressure Relief Valve (PRV).

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# EAC DECLARATION OF CONFORMITY

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mark where applicable***

# SPECIFICATIONS

ENGINE	
Engine type	4-stroke, Single Over Head Camshaft (SOHC)
Declared Power <sup>(1)</sup>	100 kW @ 7300 RPM
Induction	Naturally-Aspirated
Number of cylinders	3
Number of valves	12 valves with hydraulic lifters (no adjustment)
Bore	100 mm (3.9 in)
Stroke	69.2 mm (2.7 in)
Displacement	1 630.5 cm <sup>3</sup> (99.5 in <sup>3</sup> )
Compression ratio	11:1

<sup>(1)</sup> Declared power as per ISO 8665 at propeller-shaft.

LUBRICATION SYSTEM		
Engine oil	Recommended oil	See <i>RECOMMENDED ENGINE OIL</i> in <i>MAINTENANCE PROCEDURES</i> section of this guide
	Capacity	3 L (3.2 qt (U.S. liq.)) oil change w/filter 5 L (5.3 qt (U.S. liq.)) total

COOLING SYSTEM	
Type	Closed loop cooling system
Coolant	See <i>RECOMMENDED ENGINE COOLANT</i> in <i>MAINTENANCE PROCEDURES</i> section of this guide
Cooling system capacity	5.4 L (5.7 qt (U.S. liq.)) total

**SPECIFICATIONS**

FUEL SYSTEM		
Fuel injection type		Multipoint fuel injection with iTC (intelligent Throttle Control). Single throttle body (60 mm) with an actuator
Fuel	Type	Regular unleaded gasoline
	Recommended octane	87 ((RON + MON)/2) inside North America 91 (RON) E10 outside North America
Fuel tank capacity (including reserve)		70 L (18.5 U.S. gal.)

ELECTRICAL SYSTEM		
Ignition system type		IDI (Inductive Discharge Ignition)
Battery		12 V, 18 A•h
Spark plug	Make and type	NGK, DCPR8E with solid post or equivalent
	Gap	0.80 mm to 0.90 mm (.031 in to .035 in)

PROPULSION		
Jet pump	Type	Axial flow single stage
Drive shaft	Coupling type	Crowned splines, direct drive

IBR AND VTS	
VTS system	Electronically-controlled through the VTS control button with 3 preset positions

WEIGHT AND LOADING CAPACITY	
Dry weight	352 kg (776 lb)
Number of passenger (driver incl.)	3
Load limit (passenger(s) and luggages)	272 kg (600 lb)
Storage capacity	98.9 L (26.1 U.S. gal.)

DIMENSIONS	
Overall length	345.1 cm (135.9 in)
Overall width	125.5 cm (49.4 in)
Overall height	114 cm (44.9 in)

MATERIALS	
Impeller material	Stainless steel
Impeller housing/stator	Aluminum/aluminum

**NOTE:** BRP reserves the right to make changes in design and specifications and/or to make additions to, or improvements in its products without imposing any obligation upon itself to install them on its products previously manufactured.

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# ***TROUBLESHOOTING***

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# TROUBLESHOOTING GUIDELINES

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## ENGINE WILL NOT START

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1. **Tether cord removed.**
  - Press *START/STOP* button.
  - Install tether cord cap over engine cut-off switch within 5 seconds after depressing the *START/STOP* button.
  - Press *START/STOP* button.
2. **ECM does not recognize the D.E.S.S. key.**
  - Refer to an authorized *Sea-Doo* dealer.
3. **Burnt fuse: main, electric starter or ECM.**
  - Check wiring then replace fuse(s).
4. **Discharged battery.**
  - Refer to an authorized *Sea-Doo* dealer.

### **WARNING**

Do not charge or boost the battery while installed on the watercraft. Electrolyte is poisonous and dangerous. Avoid contact with eyes, skin and clothing.

5. **Battery connections, corroded or loose. Bad ground.**
  - Refer to an authorized *Sea-Doo* dealer.
6. **Water-flooded engine.**
  - Refer to *WATER-FLOODED ENGINE* in *SPECIAL PROCEDURES*.
7. **Faulty sensor or ECM.**
  - Seek service from an authorized *Sea-Doo* dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the *US EPA EMISSION-RELATED WARRANTY* contained herein for information about warranty claims.
8. **Seized jet pump.**
  - Try to clean. Otherwise, refer to an authorized *Sea-Doo* dealer.

## ENGINE CRANKS SLOWLY

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1. **Loose battery cable connections.**
  - Check/clean/tighten.
2. **Discharged or weak battery.**
  - Refer to an authorized *Sea-Doo* dealer.
3. **Worn starter.**
  - Refer to an authorized *Sea-Doo* dealer.

## ENGINE TURNS NORMALLY BUT WILL NOT START

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1. **Fuel tank empty or water-contaminated.**
  - Refill. Siphon and fill with fresh fuel.

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**ENGINE TURNS NORMALLY BUT WILL NOT START (cont'd)**

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**2. Fouled/defective spark plugs.**

- *Replace.*

**3. Blown fuse.**

- *Check wiring then replace fuse(s).*

**4. Water-flooded engine.**

- *Refer to WATER-FLOODED ENGINE in SPECIAL PROCEDURES.*

**5. Engine management system fault detected (check engine pilot lamp is ON).**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

**6. Faulty fuel pump.**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

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**ENGINE MISFIRES, RUNS IRREGULARLY**

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**1. Fouled/defective/worn spark plugs.**

- *Replace.*

**2. Fuel: Level too low, stale or water-contaminated.**

- *Siphon and/or refill.*

**3. Faulty ignition coil(s).**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

**4. Clogged injectors.**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

**5. Engine management system fault detected (check engine pilot lamp is ON).**

- *Refer to MONITORING SYSTEM.*

---

**ENGINE SMOKE**

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**1. Oil level too high.**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

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**ENGINE SMOKE (cont'd)**

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**2. Water ingestion, coolant leak or damaged cylinder head gasket.**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

**3. Internal engine damage.**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

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**ENGINE OVERHEATS**

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**1. Clogged exhaust system.**

- *Flush exhaust system.*

**2. Engine coolant level too low.**

- *Refer to MAINTENANCE PROCEDURES.*

**3. Quick connect adapter left in flushing connector.**

- *Remove adapter from flushing connector and retry watercraft. If problem persists, seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

---

**ENGINE LACKS ACCELERATION OR POWER**

---

**1. Learning key used.**

- *Use a Normal key.*

**2. Not in Sport mode.**

- *Select Sport mode.*

**3. Jet pump water intake clogged.**

- *Clean. Refer to JET PUMP WATER INTAKE AND IMPELLER CLEANING in SPECIAL PROCEDURES section.*

**4. Damaged impeller or worn-out wear ring.**

- *Replace. Refer to an authorized Sea-Doo dealer.*

**5. Engine oil level too high.**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

**6. Weak spark.**

- *Refer to ENGINE MISFIRES, RUNS IRREGULARLY.*

**7. Engine management system fault detected (check engine pilot lamp is ON).**

- *Refer to MONITORING SYSTEM.*

---

**ENGINE LACKS ACCELERATION OR POWER (cont'd)**

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**8. Clogged injectors.**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

**9. Low fuel pressure.**

- *Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the US EPA EMISSION-RELATED WARRANTY contained herein for information about warranty claims.*

**10. Water in fuel.**

- *Siphon and replace.*

**11. Engine damaged by water ingestion.**

- *Refer to an authorized Sea-Doo dealer.*

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**WATERCRAFT CAN NOT REACH TOP SPEED**

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**1. Jet pump water intake clogged.**

- *Clean. Refer to JET PUMP WATER INTAKE AND IMPELLER CLEANING in SPECIAL PROCEDURES section.*

**2. Damaged impeller or worn-out wear ring.**

- *Replace. Refer to an authorized Sea-Doo dealer.*

**3. Engine management system fault detected (check engine pilot lamp is ON).**

- *Refer to MONITORING SYSTEM.*

---

**WATERCRAFT STAYS IN NEUTRAL AFTER OPERATING THE iBR LEVER**

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**1. The iBR gate stays in neutral.**

- *Release the throttle to idle RPM.*

---

**iBR WILL NOT RETURN TO NEUTRAL POSITION (iBR INDICATOR LIGHT ON)**

---

**1. iBR jammed with debris.**

- *Clean and check for damage in the iBR gate and nozzle area.*

**2. iBR system malfunction.**

- *Remove tether cord, wait four minutes, reinstall key and check iBR light to ensure fault is cleared.*
- *Refer to an authorized Sea-Doo dealer if fault persists or reoccurs frequently.*

---

**iBR WILL NOT RETURN TO NEUTRAL POSITION (iBR INDICATOR LIGHT OFF)**

---

**1. Throttle lever not fully released during operation.**

- *Release throttle lever fully to ensure iBR gate returns to neutral.*

**2. Throttle lever does not fully return to null when released.**

- *Refer to an authorized Sea-Doo dealer.*

**ABNORMAL NOISE FROM PROPULSION SYSTEM**

---

**1. Weeds or debris jammed around impeller.**

- *Clean. Refer to JET PUMP WATER INTAKE AND IMPELLER CLEANING in SPECIAL PROCEDURES section.*
- *Check for damage.*

**2. Damaged impeller shaft or drive shaft.**

- *Refer to an authorized Sea-Doo dealer.*

**3. Water intrusion in jet pump causing bearing seizure.**

- *Refer to an authorized Sea-Doo dealer.*

**WATER FOUND IN BILGE**

---

**1. Bailer system malfunction.**

- *Have system inspected by an authorized Sea-Doo dealer.*

**2. Exhaust system leak.**

- *Refer to an authorized Sea-Doo dealer.*

**3. Carbon ring at drive shaft worn.**

- *Refer to an authorized Sea-Doo dealer.*

# MONITORING SYSTEM

A system monitors the electronic components of the EMS (engine management system) iBR, and other components of the electrical system. When a fault occurs, it sends visual messages through the information center and/or audible signals through a beeper to inform you of a particular condition.

A fault code may also be recorded.

When a minor or transient fault occurs, the fault message and beeper will cease automatically if the condition that caused the fault does not exist anymore.

Releasing the throttle and letting the engine return to idle speed may allow normal operation to come back. If this does not work, try removing and reinstalling the tether cord on the engine cut-off switch.

The electronic system will react differently depending on the fault type. In severe failure, the engine may not be allowed to be started. In other cases, the engine will operate in limp home mode (reduced speed).

When a fault occurs, please refer to the *US EPA EMISSION-RELATED WARRANTY* contained herein for information about warranty claims.

## Fault Codes

When a fault occurs, a numerical fault code may be recorded depending on the fault type and system.

These fault codes are used by authorized Sea-Doo dealers for troubleshooting the watercraft systems when comparing them to a fault list.

Fault codes can be viewed in the information center multifunction display however, this function is only available if a fault is still active.

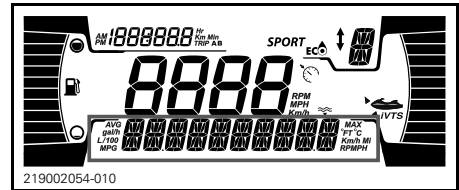
If there is an active fault code, it may be viewed by the operator on the multifunction display. The operator may then choose to call his authorized Sea-Doo dealer to pass on the fault

code. The dealer will then advise the operator on the steps to take to solve the problem, or to stop using the watercraft and to bring it in to the dealer for repairs.

## Displaying Fault Codes

Select **CODES**. If a fault code has occurred during your riding cycle, a **CODES** menu will be available in the settings menu. Press OK to see the list of faults.






**NOTE:** During normal riding conditions some fault codes may occur. Before contacting your local dealer, remove the key, make sure to wait 2 minutes until the electrical system shut down, then press start to wake up the electrical system. This will ensure occurred fault to disappear and only the active codes will remain ON in the **CODES** menu.



## Indicator Lights and Message Display Information

The indicator lights (pilot lamps) and messages displayed in the information center will inform you of a particular condition or if an anomaly occurs.

For information on usual indicator lights, refer to *INFORMATION CENTER (GAUGE)*.

INDICATOR LIGHT / ICON (ON)	MESSAGE DISPLAY	DESCRIPTION
	LOW or HIGH BATTERY VOLTAGE	Low/high battery voltage
	HIGH TEMPERATURE	Engine or exhaust system overheating
	CHECK ENGINE or LIMP HOME MODE	Check engine (minor fault req. maint.) or LIMP HOME MODE (major eng. fault)
	LOW OIL PRESSURE	Low oil pressure
	IBR MODULE ERROR	Light is steady with a buzzer and a check engine light: iBR system fault (refer to an authorized Sea-Doo dealer)
	–	Light is flashing: iBR system fault (refer to an authorized Sea-Doo dealer)
	–	Light is steady with no buzzer: iBR system still functional but needs to be inspected by an authorized Sea-Doo dealer

### MESSAGE DISPLAY INFORMATION

HIGH EXHAUST TEMPERATURE	High exhaust temperature detected
HIGH ENGINE TEMPERATURE	High engine temperature detected
CHECK ENGINE	Engine system malfunction or maintenance required
LIMP HOME MODE	Major fault detected, engine power limited
FUEL SENSOR FAULT	Fuel level sensor fault
WATER TEMP SENSOR DEFECTIVE	Problem with water temperature sensor, not sending water temperature info.
IBR MODULE ERROR	iBR system malfunction
MAINTENANCE REQUIRED	Watercraft maintenance required

**NOTICE** Running engine with low oil pressure may severely damage the engine.



## Beeper Code Information

BEEPER CODES	DESCRIPTION
1 long beep (while installing tether cord on watercraft engine cut-off switch)	<b>Bad D.E.S.S. system connection.</b> Reinstall tether cord cap correctly on the engine cut-off switch.
	<b>Wrong D.E.S.S. key.</b> Use a tether cord that has been programmed for the watercraft.
	<b>Defective D.E.S.S. key.</b> Use another tether cord with programmed D.E.S.S. key.
	<b>Defective engine cut-off switch.</b> Refer to an authorized Sea-Doo dealer.
	<b>Improper operation of ECM or defective wiring harness.</b> Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the <i>US EPA EMISSION-RELATED WARRANTY</i> contained herein for information about warranty claims.
A 2 seconds beep every 15 minutes interval	<b>Engine management system fault.</b> Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the <i>US EPA EMISSION-RELATED WARRANTY</i> contained herein for information about warranty claims.
	<b>iBR system fault.</b> Refer to an authorized Sea-Doo dealer.
A 2 seconds beep every 10 minutes interval	<b>Low fuel level.</b> Refill fuel tank. If problem persists, refer to an authorized Sea-Doo dealer.
2 second beeps	<b>High engine temperature coolant.</b> See <i>ENGINE OVERHEATING</i> .
	<b>Low oil pressure.</b> Turn off engine as soon as possible. Check oil level and refill. Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the <i>US EPA EMISSION-RELATED WARRANTY</i> contained herein for information about warranty claims.
Constant beep (Stops when vehicle is turned OFF)	<b>High exhaust temperature.</b> Seek service from an authorized Sea-Doo dealer, repair shop, or person of your own choosing for maintenance, repair, or replacement. Please refer to the <i>US EPA EMISSION-RELATED WARRANTY</i> contained herein for information about warranty claims.

**NOTICE** If the monitoring beeper continuously sounds, stop engine as soon as possible.

# ***WARRANTY***

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# **BRP LIMITED WARRANTY – USA AND CANADA: 2021 SEA-DOO® PERSONAL WATERCRAFT**

## **1. SCOPE**

Bombardier Recreational Products Inc. (“BRP”)\* warrants its model-year 2021 Sea-Doo personal watercraft sold by authorized BRP Dealers (as defined below) in the United States of America (“USA”) and in Canada from defects in material or workmanship for the period and under the conditions described below. This limited warranty will become null and void if: (1) the Sea-Doo personal watercraft was used for racing or any other competitive activity, at any point, even by a previous owner; or (2) the Sea-Doo personal watercraft has been altered or modified in such a way so as to adversely affect its operation, performance or durability, or has been altered or modified to change its intended use.

Non-factory installed parts and accessories are not covered under this limited warranty. Please refer to the applicable parts and accessories limited warranty text.

## **2. LIMITATIONS OF LIABILITY**

THIS WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY. SOME STATES/PROVINCES DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS AND EXCLUSIONS IDENTIFIED ABOVE, AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE, OR PROVINCE TO PROVINCE.

Neither the distributor, any BRP dealer nor any other person has been authorized to make any affirmation, representation or warranty regarding the product, other than those contained in this limited warranty, and if made, shall not be enforceable against BRP. BRP reserves the right to modify this limited warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the products sold while this warranty is in effect.

## **3. EXCLUSIONS – ARE NOT WARRANTED**

The following are not warranted under any circumstances:

- Normal wear and tear;
- Routine maintenance items, tune ups, adjustments;
- Damage caused by failure to provide proper maintenance and/or storage, as described in the Operator’s Guide;
- Damage resulting from removal of parts, improper repairs, service, maintenance, modifications or use of parts not manufactured or approved by BRP or resulting from repairs done by a person that is not an authorized servicing BRP dealer;
- Damage caused by abuse, abnormal use, neglect, or operation of the product in a manner inconsistent with the recommended operation described in the Operator’s Guide;

- Damage resulting from accident, submersion, fire, theft, vandalism or any act of God;
- Operation with fuels, oils or lubricants which are not suitable for use with the product (see the Operator’s Guide);
- Damage from rust, corrosion or exposure to the elements;
- Damage from cooling system or jet pump blockage by foreign material;
- Water damages caused by water ingestion;
- Damages related to gel coat finish including but not limited to cosmetic gel coat finish, blisters or fiberglass delamination caused by blisters, crazing, spider or hairline cracks; and
- Incidental or consequential damages, or damages of any kind including without limitation towing, storage, telephone, rental, taxi, inconvenience, insurance coverage, loan payments, loss of time, loss of income.

#### **4. WARRANTY COVERAGE PERIOD**

This limited warranty will be in effect from (1) the date of delivery to the first retail consumer or (2) the date the product is first put into use, whichever occurs first and for the applicable period below:

1. TWELVE (12) CONSECUTIVE MONTHS for private use owners.
2. FOUR (4) CONSECUTIVE MONTHS for commercial use owners. A personal watercraft is used commercially when it is used in connection with generating income or any work or employment during any part of the warranty period. A personal watercraft is also used commercially when, at any point during the warranty period, it has commercial tags or is licensed for commercial use. This is a minimal warranty period which can be extended by any applicable warranty promotional program, as the case may be.
3. For emission-related components; please also refer to the *US EPA EMISSION-RELATED WARRANTY* contained herein.
4. For Sea-Doo personal watercrafts produced by BRP for sale in the State of California or New York that are originally sold to a resident or subsequently warranty registered to a resident in the State of California or New York, please also refer to the applicable California and New York Emissions Control Warranty Statement contained herein.
5. For Sea-Doo personal watercrafts produced by BRP for sale in the State of California that are originally sold to a resident or subsequently warranty registered to a resident in the State of California, please also refer to the CALIFORNIA EVAPORATIVE EMISSIONS CONTROL SYSTEM WARRANTY STATEMENT contained herein.

The repair or replacement of parts or the performance of service under any applicable warranty does not extend the life of such warranty beyond its original expiration date.

## **5. CONDITIONS REQUIRED FOR WARRANTY COVERAGE**

This limited warranty coverage is available **only** if **each** of the following conditions has been fulfilled:

- The 2021 Sea-Doo personal watercraft must be purchased as new and unused by its first owner from a BRP dealer authorized to distribute Sea-Doo personal watercraft in the country in which the sale occurred;
- The BRP specified predelivery inspection process must be completed and documented and signed by the purchaser;
- The 2021 Sea-Doo personal watercraft must have undergone proper registration by an authorized BRP dealer;
- The 2021 Sea-Doo personal watercraft must be purchased in the country in which the purchaser resides; and
- Routine maintenance outlined in the Operator's Guide must be timely performed in order to maintain warranty coverage. BRP reserves the right to make warranty coverage contingent upon proof of proper maintenance.

BRP will not honour this limited warranty to any private use owner or commercial use owner if one of the preceding conditions has not been met. Such limitations are necessary in order to allow BRP to preserve both the safety of its products, and also that of its consumers and the general public.

## **6. WHAT TO DO TO OBTAIN WARRANTY COVERAGE**

The customer must cease using the Sea-Doo personal watercraft upon the appearance of an anomaly. The customer must notify an authorized servicing BRP dealer within three (3) days of the appearance of a defect, and provide it with reasonable access to the product and reasonable opportunity to repair it. The customer must also present to the authorized BRP dealer, proof of purchase of the product and must sign the repair/work order prior to the start of the repair in order to validate the warranty repair. All parts replaced under this limited warranty become the property of BRP.

## **7. WHAT BRP WILL DO**

BRP's obligations under this warranty are limited to, at its sole discretion, repairing parts found defective under normal use, maintenance and service, or replacing such parts with new genuine BRP parts without charge for parts and labor, at any authorized BRP dealer during the applicable warranty coverage period under the conditions described herein. No claim of breach of warranty shall be the cause for cancellation or rescission of the sale of the Sea-Doo personal watercraft to the owner.

In the event that service is required outside of the country of original sale, the owner will bear responsibility for any additional charges due to local practices and conditions, such as, but not limited to freight, insurance, taxes, license fees, import duties, and any and all other financial charges, including those levied by governments, states, territories and their respective agencies.

BRP reserves the right to improve or modify products from time to time without assuming any obligation to modify products previously manufactured.

## **8. TRANSFER**

If the ownership of a product is transferred during the warranty coverage period, this limited warranty, subject to its terms and conditions, shall also be transferred and be valid for the remaining coverage period provided BRP or an authorized Sea-Doo Distributor/Dealer receives a proof that the former owner agreed to the transfer of ownership, in addition to the co-ordinates of the new owner.

## **9. CONSUMER ASSISTANCE**

In the event of a controversy or a dispute in connection with this BRP limited warranty, BRP suggests that you try to resolve the issue at the dealership level. We recommend discussing the issue with the authorized BRP dealer's service manager or owner.

If the matter still remains unresolved, contact BRP by filling out the customer contact form at [www.brp.com](http://www.brp.com) or contact BRP by mail at one of the addresses listed under the *CONTACT US* section of this guide.

\* In the USA, products are distributed and serviced by BRP US Inc.

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# US EPA EMISSION-RELATED WARRANTY

Bombardier Recreational Products Inc. ("BRP")\*\* warrants to the ultimate purchaser and each subsequent purchaser that this new engine, including all parts of its exhaust emission control system and its evaporative emission control system, meets two conditions:

1. It is designed, built, and equipped so it conforms at the time of sale to the ultimate purchaser with the requirements of 40 CFR 1045 and 40 CFR 1060.
2. It is free from defects in materials and workmanship that may keep it from meeting the requirements of 40 CFR 1045 and 40 CFR 1060.

Where a warrantable condition exists, BRP will repair or replace, as it elects, any part or component with a defect in materials or workmanship that would increase the engine's emissions of any regulated pollutant within the stated warranty period at no cost to the owner, including expenses related to diagnosing and repairing or replacing emission-related parts. All defective parts replaced under this warranty become the property of BRP.

For all emission-related warranty claims, BRP is limiting the diagnosis and repair of emission-related parts to the authorized Sea-Doo dealers, unless for emergency repairs as required by item 2 of the following list.

As a certifying manufacturer, BRP will not deny emission-related warranty claims based on any of the following:

1. Maintenance or other service BRP or BRP's authorized facilities performed.
2. Engine/equipment repair work that an operator performed to correct an unsafe, emergency condition attributable to BRP as long as the operator tries to restore the engine/equipment to its proper configuration as soon as possible.
3. Any action or inaction by the operator unrelated to the warranty claim.
4. Maintenance that was performed more frequently than BRP specify.
5. Anything that is BRP fault or responsibility.
6. The use of any fuel that is commonly available where the equipment operates unless BRP written maintenance instructions state that this fuel would harm the equipment's emission control system and operators can readily find the proper fuel. See maintenance information section and fuel requirements of fueling section.

## Emission-Related Warranty Period

The emission-related warranty is valid for the following period whichever comes first:

	HOURS	MONTHS
Exhaust emission-related components	175	30
Evaporative emission-related components	N/A	24



## Components Covered

The emission-related warranty covers all components whose failure would increase an engine's emissions of any regulated pollutant, including the following listed components:

1. For exhaust emissions, emission-related components include any engine parts related to the following systems:
  - Air-induction system
  - Fuel system
  - Ignition system
  - Exhaust gas recirculation systems
2. The following parts are also considered emission-related components for exhaust emissions:
  - Aftertreatment devices
  - Crankcase ventilation valves
  - Sensors
  - Electronic control units
3. The following parts are considered emission-related components for evaporative emissions:
  - Fuel tank
  - Fuel cap
  - Fuel line
  - Fuel line fittings
  - Clamps\*
  - Pressure relief valves\*
  - Control valves\*
  - Control solenoids\*
  - Electronic controls\*
  - Vacuum control diaphragms\*
  - Control cables\*
  - Control linkages\*
  - Purge valves
  - Vapor hoses
  - Liquid/vapor separator
  - Carbon canister
  - Canister mounting brackets
  - Carburetor purge port connector
4. Emission-related components also include any other part whose only purpose is to reduce emissions or whose failure will increase emissions without significantly degrading engine/equipment performance.

\*As related to the evaporative emission control system

## **Limited Applicability**

As a certifying manufacturer, BRP may deny emission-related warranty claims for failures that have been caused by the owner's or operator's improper maintenance or use, by accidents for which the manufacturer has no responsibility, or by acts of God. For example, an emission-related warranty claim need not be honored for failures that have been directly caused by the operator's abuse of the engine/equipment or the operator's use of the engine/equipment in a manner for which it was not designed and are not attributable to the manufacturer in any way.

If you have any questions regarding your warranty rights and responsibilities or for the name and location of the nearest authorized BRP Dealer you should contact the Customer Assistance Center at 1-888-272-9222.

\*\* In the USA, products are distributed and serviced by BRP US Inc.

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# CALIFORNIA AND NEW YORK EMISSION CONTROL WARRANTY STATEMENT FOR MODEL YEAR 2021 SEA-DOO® PERSONAL WATERCRAFT

For California and New York, your 2021 Sea-Doo personal watercraft has a special environmental label required by the California Air Resources Board. The label has 1, 2, 3 or 4 stars. A hangtag, provided with your personal watercraft, describes the meaning of the star rating system.

## The Star Label Means Cleaner Marine Engines

The Symbol for Cleaner Marine Engines:



F18L3C0

## Cleaner Air and Water

For a healthier lifestyle and environment.

## Better Fuel Economy

Burns up to 30 - 40 percent less gas and oil than conventional carbureted two-stroke engines saving money and resources.

## Longer Emission Warranty

Protects consumer for worry free operation.

## One Star – Low Emission

The one-star label identifies personal watercraft, outboard, stern drive and inboard engines that meet the Air Resources Board's Personal Watercraft and Outboard marine engine 2001 exhaust emission standards. Engines meeting these standards have 75% lower emissions than conventional carbureted two-stroke engines. These engines are equivalent to the U.S. EPA's 2006 standards for marine engines.

## Two Stars – Very Low Emission

The two-star label identifies personal watercraft, outboard, stern drive and inboard engines that meet the Air Resources Board's Personal Watercraft and Outboard marine engine 2004 exhaust emission standards. Engines meeting these standards have 20% lower emissions than One Star - Low-Emission engines.

## **Three Stars – Ultra Low Emission**

The three-star label identifies engines that meet the Air Resources Board's Personal Watercraft and Outboard marine engine 2008 exhaust emission standards or the Stern drive and Inboard marine engine 2003 exhaust emission standards. Engines meeting these standards have 65% lower emissions than One Star – Low Emission engines.

## **Four Stars – Super Ultra Low Emission**

The four-star label identifies engines that meet the Air Resources Board's Stern-drive and Inboard marine engine 2012 exhaust emission standards. Personal Watercraft and Outboard marine engines may also comply with these standards. Engines meeting these standards have 90% lower emissions than One Star – Low Emission engines.

For more information: Cleaner Watercraft – Get the Facts  
1 800 END-SMOG  
[www.arb.ca.gov](http://www.arb.ca.gov)

## **Your Emission Control Warranty Rights and Obligations**

The California Air Resources Board, the New York State Department of Environmental Conservation and Bombardier Recreational Products Inc. ("BRP") are pleased to explain the emission control system warranty on your Model Year 2021 Sea-Doo personal watercraft. In California, new personal watercraft engines must be designed, built and equipped to meet the State's stringent anti-smog standards. BRP must warrant the emission control system on your personal watercraft engine for the period of time listed below provided there has been no abuse, neglect or improper maintenance of your personal watercraft engine.

Your emission control system may include parts such as the fuel injection system, the ignition system and catalytic converter. Also included may be hoses, belts, connectors and other emission related assemblies.

Where a warrantable condition exists, BRP will repair your personal watercraft engine at no cost to you including diagnosis, parts and labor provided that such work is performed by an authorized BRP dealer.

## **Manufacturer's Limited Warranty Coverage**

This emission limited warranty covers Model Year 2021 Sea-Doo personal watercrafts certified and produced by BRP for sale in California or New York, that are originally sold in California or New York to a California or New York resident or subsequently warranty registered to a California or New York resident. The BRP limited warranty conditions for Sea-Doo personal watercrafts are still applicable to these models with the necessary modifications. Select emission control parts of your 2021 Sea-Doo personal watercrafts are warranted from the date of delivery to the first retail consumer for a period of 4 years, or for 250 hours of use, whichever occurs first. However, warranty coverage based on the hourly period is only permitted for personal watercraft equipped with the appropriate hour meters or their equivalent. If any emission-related part on your engine is defective under warranty, the part will be repaired or replaced by BRP.

**Parts covered for a Model Year 2021 Sea-Doo® personal watercraft:**

Idle bypass valve	Air intake adapter
Throttle position sensor	Spark plugs
Intake manifold air pressure sensor	Ignition coils
Intake manifold air temperature sensor	Air box
Engine temperature sensor	Intake and exhaust valve and seals
Knock sensor	Intake manifold
Engine control module ECM	Crankcase ventilation valve
Throttle body	Throttle body seal
Fuel rail	Intake manifold seal
Fuel injectors	Wire harness and connectors
Fuel pressure regulator	Fuel filter
Fuel pump	Supercharger

The emission warranty covers damage to other engine components that is caused by the failure of a warranted part. The BRP Operator’s Guide provided contains written instructions for the proper maintenance and use of your personal watercraft. All emission warranty parts are warranted by BRP for the entire warranty period of the personal watercraft, unless the part is scheduled for replacement as required maintenance in the Operator’s Guide.

Emission warranty parts that are scheduled for replacement, as required maintenance, are warranted by BRP for the period of time before the first scheduled replacement date for that part. Emission warranty parts that are scheduled for regular inspection, but not regular replacement, are warranted by BRP for the entire warranty period of the personal watercraft. Any emission warranty part repaired or replaced under the terms of this warranty statement is warranted by BRP for the remainder of the warranty period of the original part. All parts replaced under this limited warranty become the property of BRP.

Maintenance receipts and records should be transferred to each subsequent owner of the personal watercraft.

## **Owner's Warranty Responsibilities**

As the owner of a 2021 Sea-Doo personal watercraft, you are responsible for the performance of the required maintenance listed in your Operator's Guide. BRP recommends that you retain all receipts covering maintenance of your personal watercraft engine, but BRP cannot deny warranty solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance.

As the owner of a Sea-Doo® personal watercraft, you should however be aware that BRP may deny you warranty coverage if your engine(s) or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your engine to an authorized BRP Dealer as soon as a problem exists. The warranty repairs will be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities or for the name and location of the nearest authorized BRP Dealer you should contact the Customer Assistance Center at 1-888-272-9222.

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# CALIFORNIA EVAPORATIVE EMISSIONS CONTROL SYSTEM WARRANTY STATEMENT

## YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board is pleased to explain the evaporative emissions control system's warranty on your 2021 personal watercraft. In California, new SIMW must be designed, built, and equipped to meet the State's stringent anti-smog standards. Bombardier Recreational Products Inc. must warrant the evaporative emissions control system on your personal watercraft for the period listed below, provided there has been no abuse, neglect or improper maintenance of your SIMW.

Your evaporative emissions control system may include parts such as: canisters, carburetors, clamps, connectors, filters, fuel caps, fuel lines, fuel tanks, valves, vapor hoses, and other associated evaporative emissions control system components.

## MANUFACTURER'S WARRANTY COVERAGE:

This evaporative emissions control system is warranted for two years. If any evaporative emission-related part on your SIMW is defective, the part will be repaired or replaced by Bombardier Recreational Products Inc.

### PARTS COVERED:

1. Clamp(s)\*
2. Fuel Cap
3. Fuel Line
4. Fuel Line Fitting(s)
5. Fuel Tank
6. Pressure Relief Valve(s)\*
7. Vapor Hose(s)
8. All other parts not listed that may affect the evaporative emissions control system

\*Note: As they relate to the evaporative emissions control system.

## OWNER'S WARRANTY RESPONSIBILITIES:

As the personal watercraft owner, you are responsible for performance of the required maintenance listed in your owner's manual. Bombardier Recreational Products Inc. recommends that you retain all receipts covering maintenance on your personal watercraft, but Bombardier Recreational Products Inc. cannot deny warranty solely for the lack of receipts.

As the personal watercraft owner, you should however be aware that Bombardier Recreational Products Inc. may deny you warranty coverage if your personal watercraft or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your personal watercraft to a Bombardier Recreational Products Inc. distribution center or service center as soon as the problem exists. The warranty repairs should be completed in a reasonable

amount of time, not to exceed 30 calendar days. If you have question regarding your warranty coverage, you should contact Bombardier Recreational Products at 1-888-272-9222.



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# **BRP INTERNATIONAL LIMITED WARRANTY: 2021 SEA-DOO® PERSONAL WATERCRAFT**

## **1. SCOPE OF THE LIMITED WARRANTY**

Bombardier Recreational Products Inc. ("BRP")\* warrants its 2021 SEA-DOO PERSONAL WATERCRAFTS ("personal watercraft") sold by distributors or dealers authorized by BRP to distribute Sea-Doo Personal watercrafts ("Sea-Doo Distributor/Dealer") outside of the fifty United States, Canada, member states of the European Economic Area (which is comprised of the member states of the European Union plus the United Kingdom, Norway, Iceland and Liechtenstein) ("EEA"), member states of the Commonwealth of the Independent States (including Ukraine and Turkmenistan) ("CIS") and Turkey, from defects in material or workmanship for the period and under the conditions described below.

Non-factory installed parts and accessories are not covered under this limited warranty. Please refer to the applicable parts and accessories limited warranty text.

This limited warranty will become null and void if: (1) the personal watercraft was used for racing or any other competitive activity, at any point, even by a previous owner; or (2) the personal watercraft has been altered or modified in such a way so as to adversely affect its operation, performance or durability or (3) the personal watercraft has been altered or modified to change its intended use.

## **2. LIMITATIONS OF LIABILITY**

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY. SOME JURISDICTIONS DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS AND EXCLUSIONS IDENTIFIED ABOVE, AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROM COUNTRY TO COUNTRY. (FOR PRODUCTS PURCHASED IN AUSTRALIA SEE CLAUSE 4 BELOW).

Neither the Sea-Doo Distributor/Dealer nor any other person has been authorized to make any affirmation, representation or warranty regarding the product, other than those contained in this limited warranty, and if made, shall not be enforceable against BRP.

BRP reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the products sold while this warranty is in effect.

## **3. EXCLUSIONS – ARE NOT WARRANTED**

The following are not warranted under this limited warranty under any circumstances:

- Replacement of parts due to normal wear and tear;
- Routine maintenance parts and services, including but not limited to tune ups, adjustments, oil, lubricant and coolant changes, spark plug replacement, water pumps and the like;

- Damage caused by negligence or failure to provide proper maintenance and/or storage, as described in the Operator's Guide;
- Damage resulting from removal of parts, improper repairs, service, maintenance, modification or use of parts or accessories not manufactured or approved by BRP which in its reasonable judgment are either incompatible with the product or adversely affect its operation, performance and durability, or resulting from repairs done by a person that is not an authorized servicing Sea-Doo Distributor/Dealer;
- Damage caused by abuse, misuse, abnormal use, neglect, racing, improper operation or operation of the product in a manner inconsistent with the recommended operation described in the Operator's Guide;
- Damage resulting from external damage, accident, submersion, fire, foreign object or water ingestion, theft, vandalism or any act of God;
- Operation with fuels, oils or lubricants which are not suitable for use with the product (see the Operator's Guide);
- Damage resulting from rust, corrosion or exposure to the elements;
- Damages from cooling system or jet pump blockage by foreign material;
- Damages to gel coat finish including but not limited to cosmetic gel coat finish defects, blisters, starring, crazing and fiberglass delamination caused by blisters, crazing, spider or hairline cracks; and
- Incidental or consequential damages, or damages of any kind including without limitation towing, storage, transportation expenses, telephone, rental, taxi, inconvenience, insurance coverage, loan payments, loss of time, loss of income or time missed for downtime experience due to service work.

#### **4. WARRANTY COVERAGE PERIOD**

This limited warranty will be in effect from (1) the date of delivery to the first retail consumer or (2) the date the product is first put into use, whichever occurs first and for a period of:

1. TWELVE (12) CONSECUTIVE MONTHS for private, recreational use. For AUSTRALIA and NEW ZEALAND only, TWENTY-FOUR (24) CONSECUTIVE MONTHS for private, recreational use.
2. FOUR (4) CONSECUTIVE MONTHS for commercial use,  
This is a minimal warranty period which can be extended by any applicable warranty promotional program, as the case may be. A personal watercraft is used commercially when it is used in connection with generating income or any work or employment during any part of the warranty period. A personal watercraft is also used commercially when, at any point during the warranty period, it has commercial tags or is licensed for commercial use.

The repair or replacement of parts or the performance of service under this warranty does not extend the life of this warranty beyond its original expiration date.

Note that the duration and any other modalities of the warranty coverage are subject to the applicable national or local legislation in the customer's country.

#### **FOR PRODUCTS SOLD IN AUSTRALIA ONLY**

Nothing in these Warranty terms and conditions should be taken to exclude, restrict or modify the application of any condition, warranty, guarantee, right or remedy conferred or implied under the Competition and Consumer Act 2010

(Cth), including the Australian Consumer Law or any other law, where to do so would contravene that law, or cause any part of these terms and conditions to be void. The benefits given to you under this limited warranty are in addition to other rights and remedies that you have under Australian law.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

## **5. CONDITIONS TO HAVE WARRANTY COVERAGE**

This warranty coverage is available **only** if **each** of the following conditions has been fulfilled:

- The 2021 Sea-Doo personal watercraft must be purchased as new and unused by its first owner from a Sea-Doo Distributor/Dealer authorized to distribute Sea-Doo personal watercrafts in the country in which the sale occurred;
- The BRP specified pre-delivery inspection process must be completed and documented;
- The 2021 Sea-Doo personal watercraft must have undergone proper registration by an authorized Sea-Doo Distributor/Dealer;
- The 2021 Sea-Doo personal watercraft must have been purchased in the country or union of countries in which the purchaser resides.
- Routine maintenance outlined in the Operator’s Guide must be timely performed in order to maintain warranty coverage. BRP reserves the right to make warranty coverage contingent upon proof of proper maintenance.

BRP will not honor this limited warranty to any private use owner or commercial use owner if one of the preceding conditions has not been met. Such limitations are necessary in order to allow BRP to preserve both the safety of its products, and also that of its consumers and the general public.

## **6. WHAT TO DO TO OBTAIN WARRANTY COVERAGE**

The customer must cease using the Sea-Doo personal watercraft upon the appearance of an anomaly. The customer must notify a servicing Sea-Doo Distributor/Dealer within two (2) days of the appearance of a defect, and provide it with reasonable access to the product and reasonable opportunity to repair it. The customer must also present to the authorized Sea-Doo Distributor/Dealer, proof of purchase of the product and must sign the repair/work order prior to starting the repair in order to validate the warranty repair. All parts replaced under this limited warranty become the property of BRP.

Note that the notification period is subject to the applicable national or local legislation in customer’s country.

## **7. WHAT BRP WILL DO**

To the extent permitted by law, BRP’s obligations under this warranty are limited to, at its sole discretion, repairing parts found defective under normal use, maintenance and service, or replacing such parts with new genuine BRP parts without charge for parts and labor, at any authorized Sea-Doo Distributor/Dealer during the warranty coverage period under the conditions described herein. BRP’s

responsibility is limited to making the required repairs or replacements of parts. No claim of breach of warranty shall be cause for cancellation or rescission of the sale of the Sea-Doo personal watercraft to the owner. You may have other legal rights which may vary from country to country.

In the event that service is required outside of the country of original sale, the owner will bear responsibility for any additional charges due to local practices and conditions, such as, but not limited to, freight, insurance, taxes, license fees, import duties, and any and all other financial charges, including those levied by governments, states, territories and their respective agencies.

BRP reserves the right to improve or modify products from time to time without assuming any obligation to modify products previously manufactured.

## **8. TRANSFER**

If the ownership of a product is transferred during the warranty coverage period, this limited warranty, subject to its terms and conditions, shall also be transferred and be valid for the remaining coverage period provided BRP or an authorized Sea-Doo Distributor/Dealer receives a proof that the former owner agreed to the transfer of ownership, in addition to the coordinates of the new owner.

## **9. CONSUMER ASSISTANCE**

In the event of a controversy or a dispute in connection with this limited warranty, BRP suggests that you try to resolve the issue at the Sea-Doo Distributor/Dealer level. We recommend discussing the issue with the authorized Sea-Doo Distributor/Dealer's service manager or owner.

If the matter still remains unresolved, contact BRP by filling out the customer contact form at [www.brp.com](http://www.brp.com) or contact BRP by mail at one of the addresses listed under the *CONTACT US* section of this guide.

\* For the territory covered by this limited warranty, products are distributed and serviced by Bombardier Recreational Products Inc. or its affiliates.

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# **BRP LIMITED WARRANTY FOR THE EUROPEAN ECONOMIC AREA, THE COMMONWEALTH OF THE INDEPENDENT STATES AND TURKEY: 2021 SEA-DOO® PERSONAL WATERCRAFT**

## **1. SCOPE OF THE LIMITED WARRANTY**

Bombardier Recreational Products Inc. ("BRP")\* warrants its 2021 SEA-DOO PERSONAL WATERCRAFT ("personal watercraft") sold by distributors or dealers authorized by BRP to distribute Sea-Doo personal watercrafts ("Sea-Doo Distributor/Dealer") in member states of the European Economic Area (which is comprised of the member states of the European Union plus the United Kingdom, Norway, Iceland and Liechtenstein) ("EEA"), in member states of the Commonwealth of the Independent States (including Ukraine and Turkmenistan) ("CIS") and Turkey from defects in material or workmanship for the period and under the conditions described below.

Non-factory installed parts and accessories are not covered under this limited warranty. Please refer to the applicable parts and accessories limited warranty text.

This limited warranty will become null and void if: (1) the personal watercraft was used for racing or any other competitive activity, at any point, even by a previous owner; or (2) the personal watercraft has been altered or modified in such a way so as to adversely affect its operation, performance or durability, or (3) the personal watercraft has been altered or modified to change its intended use.

## **2. LIMITATIONS OF LIABILITY**

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY. SOME JURISDICTIONS DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS AND EXCLUSIONS IDENTIFIED ABOVE, AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROM COUNTRY TO COUNTRY.

Neither the Sea-Doo Distributor/Dealer nor any other person has been authorized to make any affirmation, representation or warranty regarding the product, other than those contained in this limited warranty, and if made, shall not be enforceable against BRP.

BRP reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the products sold while this warranty is in effect.

## **3. EXCLUSIONS – ARE NOT WARRANTED**

The following are not warranted under this limited warranty under any circumstances:

- Replacement of parts due to normal wear and tear;

- Routine maintenance parts and services, including but not limited to tune ups, adjustments, oil, lubricant and coolant changes, spark plug replacement, water pumps and the like;
- Damage caused by negligence or failure to provide proper maintenance and/or storage, as described in the Operator's Guide;
- Damage resulting from removal of parts, improper repairs, service, maintenance, modification or use of parts or accessories not manufactured or approved by BRP which in its reasonable judgement are either incompatible with the product or adversely affect its operation, performance and durability, or resulting from repairs done by a person that is not an authorized servicing Sea-Doo Distributor/Dealer;
- Damage caused by abuse, misuse, abnormal use, neglect, racing, improper operation or operation of the product in a manner inconsistent with the recommended operation described in the Operator's Guide;
- Damage resulting from external damage, accident, submersion, fire, foreign object or water ingestion, theft, vandalism or any act of God;
- Operation with fuel, oils or lubricants which are not suitable for use with the product (see the Operator's Guide);
- Damage resulting from rust, corrosion or exposure to the elements;
- Damages from cooling system or jet pump blockage by foreign material;
- Damages to gel coat finish including but not limited to cosmetic gel coat finish defects, blisters, starring, crazing and fiberglass delamination caused by blisters, crazing, spider or hairline cracks; and
- Incidental or consequential damages, or damages of any kind including without limitation towing, storage, transportation expenses, telephone, rental, taxi, inconvenience, insurance coverage, loan payments, loss of time, loss of income; or time missed for downtime experience due to service work.

#### **4. WARRANTY COVERAGE PERIOD**

This limited warranty will be in effect from (1) the date of delivery to the first retail consumer or (2) the date the product is first put into use, whichever occurs first and for a period of:

1. Twenty four (24) CONSECUTIVE MONTHS, for private, recreational use,
2. FOUR (4) CONSECUTIVE MONTHS for commercial use,  
A personal watercraft is used commercially when it is used in connection with generating income or any work or employment during any part of the warranty period. A personal watercraft is also used commercially when, at any point during the warranty period, it has commercial tags or is licensed for commercial use.

The repair or replacement of parts or the performance of service under this warranty does not extend the life of this warranty beyond its original expiration date.

Note that the duration and any other modalities of the warranty coverage are subject to the applicable national or local legislation in the customer's country.

## **5. CONDITIONS TO HAVE WARRANTY COVERAGE**

This warranty coverage is available **only** if **each** of the following conditions has been fulfilled:

- The 2021 Sea-Doo personal watercraft must be purchased as new and unused by its first owner from a Sea-Doo Distributor/Dealer authorized to distribute Sea-Doo personal watercrafts in the country in which the sale occurred;
- The BRP specified pre-delivery inspection process must be completed and documented;
- The 2021 Sea-Doo personal watercraft must have undergone proper registration by an authorized Sea-Doo Distributor/Dealer;
- The 2021 Sea-Doo personal watercraft must be purchased within the EEA by an EEA resident, in the CIS for residents of the countries comprised in such area and in Turkey for residents of Turkey; and
- Routine maintenance outlined in the Operator’s Guide must be timely performed in order to maintain warranty coverage. BRP reserves the right to make warranty coverage contingent upon proof of proper maintenance.

BRP will not honor this limited warranty to any private use owner or commercial use owner if one of the preceding conditions has not been met. Such limitations are necessary in order to allow BRP to preserve both the safety of its products, and also that of its consumers and the general public.

## **6. WHAT TO DO TO OBTAIN WARRANTY COVERAGE**

The customer must cease using the Sea-Doo personal watercraft upon the appearance of an anomaly. The customer must notify a servicing Sea-Doo Distributor/Dealer within two (2) months of the appearance of a defect, and provide it with reasonable access to the product and reasonable opportunity to repair it. The customer must also present to the authorized Sea-Doo Distributor/Dealer, proof of purchase of the product and must sign the repair/work order prior to starting the repair in order to validate the warranty repair. All parts replaced under this limited warranty become the property of BRP.

Note that the notification period is subject to the applicable national or local legislation in customer’s country.

## **7. WHAT BRP WILL DO**

To the extent permitted by law, BRP’s obligations under this warranty are limited to, at its sole discretion, repairing parts found defective under normal use, maintenance and service, or replacing such parts with new genuine Sea-Doo parts without charge for parts and labor, at any authorized Sea-Doo Distributor/Dealer during the warranty coverage period under the conditions described herein. BRP’s responsibility is limited to making the required repairs or replacements of parts. No claim of breach of warranty shall be cause for cancellation or rescission of the sale of the Sea-Doo personal watercraft to the owner. You may have other legal rights which may vary from country to country.

In the event that service is required outside of the country of original sale, or for EEA residents, if service is required outside of the EEA, for CIS residents, if service is required outside of the CIS, the owner will bear responsibility for any additional charges due to local practices and conditions, such as, but not limited

to, freight, insurance, taxes, license fees, import duties, and any and all other financial charges, including those levied by governments, states, territories and their respective agencies.

BRP reserves the right to improve or modify products from time to time without assuming any obligation to modify products previously manufactured.

## **8. TRANSFER**

If the ownership of a product is transferred during the warranty coverage period, this warranty shall also be transferred and be valid for the remaining coverage period provided BRP or an authorized Sea-Doo Distributor/Dealer receives a proof that the former owner agreed to the transfer of ownership, in addition to the coordinates of the new owner.

## **9. CONSUMER ASSISTANCE**

In the event of a controversy or a dispute in connection with this limited warranty, BRP suggests that you try to resolve the issue at the Sea-Doo Distributor/Dealer level. We recommend discussing the issue with the authorized Sea-Doo Distributor/Dealer's service manager or owner.

If the matter still remains unresolved, contact BRP by filling out the customer contact form at [www.brp.com](http://www.brp.com) or contact BRP by mail at one of the addresses listed under the *CONTACT US* section of this guide.

\* In the EEA and elsewhere, products are distributed and serviced by BRP European Distribution S.A. and other subsidiaries of BRP.

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## **ADDITIONAL TERMS AND CONDITIONS FOR FRANCE ONLY**

The following terms and conditions are applicable to products sold in France only:

The seller shall deliver goods that are complying with the contract and shall be responsible for defects existing upon delivery. The seller shall also be responsible for defects resulting from packaging, assembling instructions or the installation when it is its responsibility per the contract or if accomplished under its responsibility. To be compliant with the contract, the good shall:

1. Be fit for normal use for goods similar thereto and, if applicable:
  - Correspond to the description provided by the seller and have the qualities presented to the buyer through sample or model;
  - Have the qualities that a buyer may legitimately expect considering the public declarations of the seller, the manufacturer of its representative, including in advertising or labeling; or
2. Have the characteristics mutually agreed upon as between the parties or be fit for the specific use intended by the buyer and brought to the attention of the seller and which accepted.

The action for failure to comply is prescribed after two years after delivery of the goods. The seller is responsible for the warranty for hidden defects of the good sold if such hidden defects are rendering the good unfit for the intended use, or if they diminish its use in such a way that the buyer would not have acquired the good or would have given a lesser price, had he known. The action for such hidden defects shall be taken by the buyer within 2 years of the discovery of the defect.

# MAINTENANCE RECORDS

Send photocopy of maintenance record to BRP if needed.

PREDELIVERY	
Serial number: _____ Mileage / km: _____ Hours: _____ Date: _____ Dealer no: _____ Notes: _____ _____	Signature/Print: _____
Refer to vehicle Pre-Delivery Bulletin for detailed installation procedures	

FIRST INSPECTION	
Mileage / km: _____ Hours: _____ Date: _____ Dealer no: _____ Notes: _____ _____	Signature/Print: _____
For maintenance schedule refer to Maintenance Information section of this operator's guide	

SERVICE	
Mileage / km: _____ Hours: _____ Date: _____ Dealer no: _____ Notes: _____ _____	Signature/Print: _____
For maintenance schedule refer to Maintenance Information section of this operator's guide	

**SERVICE**

Mileage / km:

\_\_\_\_\_

Hours:

\_\_\_\_\_

Date:

\_\_\_\_\_

Dealer no:

\_\_\_\_\_

Notes:

\_\_\_\_\_

\_\_\_\_\_

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

**SERVICE**

Mileage / km:

\_\_\_\_\_

Hours:

\_\_\_\_\_

Date:

\_\_\_\_\_

Dealer no:

\_\_\_\_\_

Notes:

\_\_\_\_\_

\_\_\_\_\_

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

**SERVICE**

Mileage / km:

\_\_\_\_\_

Hours:

\_\_\_\_\_

Date:

\_\_\_\_\_

Dealer no:

\_\_\_\_\_

Notes:

\_\_\_\_\_

\_\_\_\_\_

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

**SERVICE**

Mileage / km:

\_\_\_\_\_

Hours:

\_\_\_\_\_

Date:

\_\_\_\_\_

Dealer no:

\_\_\_\_\_

Notes:

\_\_\_\_\_

\_\_\_\_\_

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide

**SERVICE**

Mileage / km:

\_\_\_\_\_

Hours:

\_\_\_\_\_

Date:

\_\_\_\_\_

Dealer no:

\_\_\_\_\_

Notes:

\_\_\_\_\_

\_\_\_\_\_

Signature/Print:

For maintenance schedule refer to Maintenance Information section of this operator's guide



# ***CUSTOMER INFORMATION***

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## PRIVACY INFORMATION

BRP wishes to inform you that your coordinates will be used for safety and warranty related purposes. Furthermore, BRP and its affiliates may use its customer list to distribute marketing and promotional information about BRP and related products.

To exercise your right to consult or correct your data, or to be removed from the addressee-list for direct marketing, please contact BRP.

By E-mail: [privacyofficer@brp.com](mailto:privacyofficer@brp.com)

By mail: BRP Legal Service  
726 St-Joseph  
Valcourt QC  
Canada  
J0E 2L0

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# CONTACT US

www.brp.com

## Asia

Room 4609, Tower 2,  
Grand Gateway 3 Hong Qiao  
Road Shanghai,  
China 200020

21F Shinagawa East One Tower  
2-16-1 Konan, Minatoku-ku,  
Tokyo 108-0075  
Japan

## Europe

Skaldenstraat 125  
B-9042 Gent  
Belgium

Itterpark 11  
D-40724 Hilden  
Germany

ARTEPARC Bâtiment B  
Route de la côte d'Azur, Le Canet  
13590 Meyreuil  
France

Ingvald Ystgaardsvei 15  
N-7484 Trondeim  
Norway

Isoaavantie 7  
PL 8040  
96101 Rovaniemi

Spinnvägen 15  
903 61 Umeå  
Sweden

Avenue d'Ouchy 4-6  
1006 Lausanne  
Switzerland

## North America

565 de la Montagne Street  
Valcourt (Québec) J0E 2L0  
Canada

Sa De Cv, Av. Ferrocarril 202  
Parque Ind. Querétaro, Lote2-B  
76220

Santa Rosa Jáuregui, Qro., Mexico

Sturtevant, Wisconsin, U.S.A.

10101 Science Drive  
Sturtevant, Wisconsin

53177  
U.S.A.

## Oceania

6 Lord Street  
Lakes Business Park  
Botany, NSW 2019  
Australia

3B Echelon Place, East Tamaki,  
Auckland 2013,  
New Zealand

## South America

Rua James Clerck Maxwell, 230  
TechnoPark Campinas SP 13069-380  
Brazil

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## CHANGE OF ADDRESS/OWNERSHIP

If your address has changed or if you are the new owner of the boat, be sure to notify BRP by either:

- Notifying an authorized Sea-Doo dealer.
- **North America Only:** calling at 1 888 272-9222.
- Mailing one of the change of address cards on the following pages at one of the BRP addresses indicated in the *CONTACT US* section of this guide.

In case of change of ownership, please join a proof that the former owner agreed to the transfer.

Notifying BRP, even after the expiration of the limited warranty, is very important as it enables BRP to reach the boat owner if necessary, like when safety recalls are initiated. It is the owner's responsibility to notify BRP.

**STOLEN UNITS:** In the event that your boat is stolen, you should notify your area's distributor warranty department of such. We will ask you to provide your name, address, phone number, Hull Identification Number and date it was stolen.



CHANGE OF ADDRESS

CHANGE OF OWNERSHIP



VEHICLE IDENTIFICATION NUMBER

--	--	--	--	--

Model Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Vehicle Identification Number (V.I.N.)

OLD ADDRESS  
OR PREVIOUS OWNER:

NAME	
NO.	STREET
APT	
CITY	STATE/PROVINCE
ZIP/POSTAL CODE	
COUNTRY	TELEPHONE

NEW ADDRESS  
OR NEW OWNER:

NAME	
NO.	STREET
APT	
CITY	STATE/PROVINCE
ZIP/POSTAL CODE	
COUNTRY	TELEPHONE
E-MAIL ADDRESS	

V00A2F

CHANGE OF ADDRESS

CHANGE OF OWNERSHIP



VEHICLE IDENTIFICATION NUMBER

--	--	--	--	--

Model Number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Vehicle Identification Number (V.I.N.)

OLD ADDRESS  
OR PREVIOUS OWNER:

NAME	
NO.	STREET
APT	
CITY	STATE/PROVINCE
ZIP/POSTAL CODE	
COUNTRY	TELEPHONE

NEW ADDRESS  
OR NEW OWNER:

NAME	
NO.	STREET
APT	
CITY	STATE/PROVINCE
ZIP/POSTAL CODE	
COUNTRY	TELEPHONE
E-MAIL ADDRESS	

V00A2F

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CHANGE OF ADDRESS

CHANGE OF OWNERSHIP

VEHICLE IDENTIFICATION NUMBER

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Model Number

Vehicle Identification Number (V.I.N.)

OLD ADDRESS  
OR PREVIOUS OWNER:

NAME

NO.

STREET

APT

CITY

STATE/PROVINCE

ZIP/POSTAL CODE

COUNTRY

TELEPHONE

NEW ADDRESS  
OR NEW OWNER:

NAME

NO.

STREET

APT

CITY

STATE/PROVINCE

ZIP/POSTAL CODE

COUNTRY

TELEPHONE

E-MAIL ADDRESS

V00A2F

CHANGE OF ADDRESS

CHANGE OF OWNERSHIP

VEHICLE IDENTIFICATION NUMBER

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Model Number

Vehicle Identification Number (V.I.N.)

OLD ADDRESS  
OR PREVIOUS OWNER:

NAME

NO.

STREET

APT

CITY

STATE/PROVINCE

ZIP/POSTAL CODE

COUNTRY

TELEPHONE

NEW ADDRESS  
OR NEW OWNER:

NAME

NO.

STREET

APT

CITY

STATE/PROVINCE

ZIP/POSTAL CODE

COUNTRY

TELEPHONE

E-MAIL ADDRESS

V00A2F

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**WATERCRAFT** MODEL No. \_\_\_\_\_

**HULL**  
IDENTIFICATION NUMBER (H.I.N.) \_\_\_\_\_

**ENGINE**  
IDENTIFICATION NUMBER (E.I.N.) \_\_\_\_\_

**Owner:** \_\_\_\_\_  
NAME

\_\_\_\_\_  
No. STREET APT

\_\_\_\_\_  
CITY STATE/PROVINCE ZIP/POSTAL CODE

**Purchase Date** \_\_\_\_\_  
YEAR MONTH DAY

**Warranty Expiry Date** \_\_\_\_\_  
YEAR MONTH DAY

To be completed by the authorized Sea-Doo dealer at the time of the sale.

DEALER IMPRINT AREA

## **WARNING**

**BEFORE YOU OPERATE THIS VEHICLE, READ THIS  
OPERATOR'S GUIDE, ALL ON-PRODUCT SAFETY LABELS  
AND WATCH THE SAFETY VIDEO.**



219 002 134  
OPERATOR'S GUIDE GTX PRO 130 Series / ENGLISH  
GUIDE DU CONDUCTEUR Série GTX PRO 130 / ANGLAIS

FAIT AU / MADE IN CANADA

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