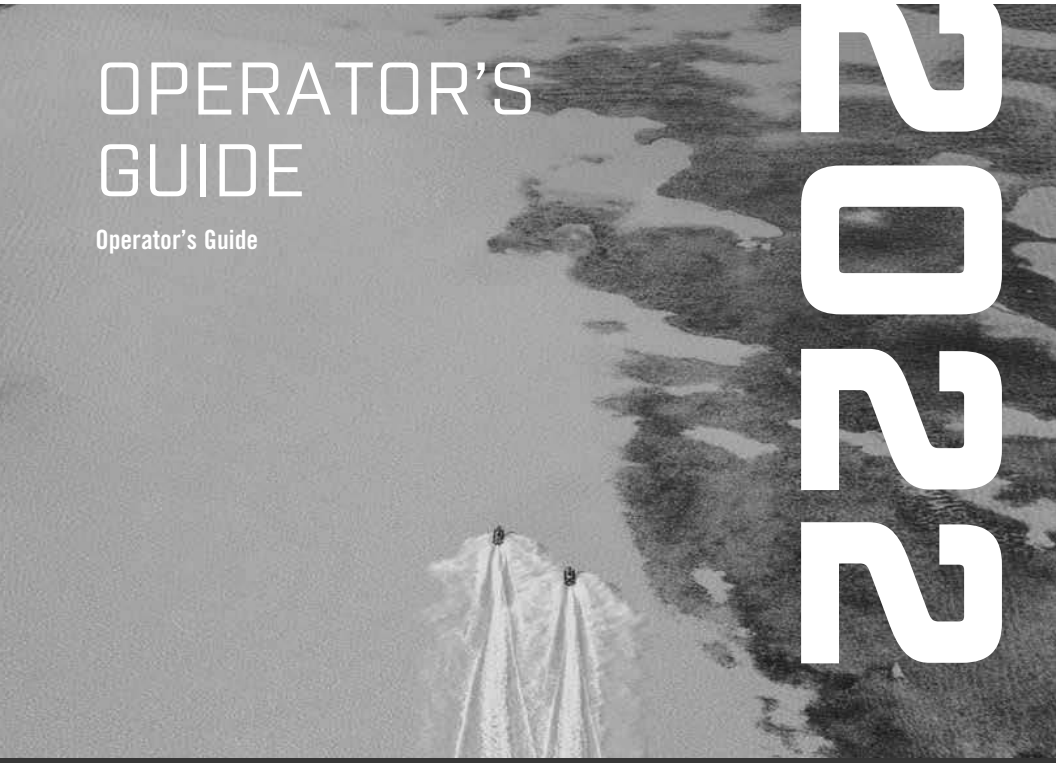
SEA-DOO

SPARK SERIES

OPERATOR'S GUIDE

Operator's Guide



2022

⚠ WARNING

Read this Operator's Guide thoroughly. It contains important safety information. Minimum recommended operators 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 the Operators'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.

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BRP Inc.

KNOW BEFORE YOU GO

Basic Rules for Safe PWC Operation

Know Before You Go: Basic Rules For Safe PWC Operation

Improper operation can result in severe injury or death.

Operators Must Be Qualified

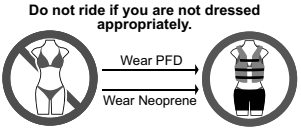
Make sure operator is 16 or older and has taken a boater course. Your state (pr province) may have additional requirements.

Operators Must Avoid Collisions

- ☑ Scan constantly for people, objects and other watercraft.
- ☑ Stay far enought away from others so you can always safely coast to a stop.
- ☒ Do not release throttle when trying to steer aways 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 damages.



- ☑ All riders must wear an approved PFD (Personal Flotation Device). Wear Neoprene.
- ☑ 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.

Available Languages

Deutsch	Dieses Handbuch ist möglicherweise in Ihrer Landessprache verfügbar. Bitte wenden Sie sich an Ihren Händler oder besuchen Sie: **www.operatorsguides.brp.com**
English	This guide may be available in your language. Check with your dealer or go to: **www.operatorsguides.brp.com**
Español	Es posible que este manual esté disponible en su idioma. Consulte a su distribuidor o visite: **www.operatorsguides.brp.com**
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Nederlands	Deze handleiding kan beschikbaar zijn in uw taal. Vraag het aan uw dealer of ga naar: **www.operatorsguides.brp.com**
Norsk	Denne boken kan finnes tilgjengelig på ditt eget språk. Kontakt din forhandler eller gå til: **www.operatorsguides.brp.com**
Português	Este manual pode estar disponível em seu idioma. Fale com sua concessionária ou visite o site: **www.operatorsguides.brp.com**
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Svenska	Denna bok kan finnas tillgänglig på ditt språk. Kontakta din återförsäljare eller gå till: **www.operatorsguides.brp.com**

Covered Models
Spark 900 ACE 60 Spark 900 ACE 90
Spark Trixx

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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

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

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

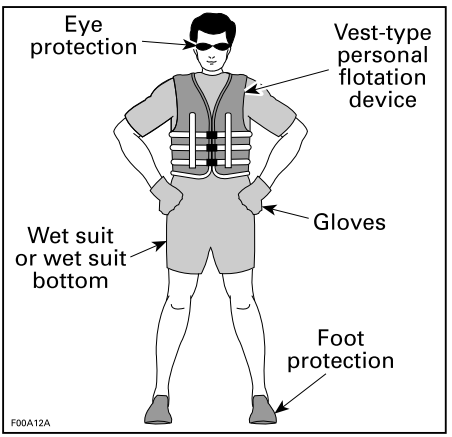
Check boating laws applicable to the waterways where you intend to use your watercraft. Learn the local navigation rules.

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.

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 (e.g.: 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 *Technical Specifications* for the maximum loading capacity.

Accessories and Modifications

Any modifications or addition of accessories approved by BRP may affect the handling of your vehicle. It is important to take the time to get familiar with the vehicle once modifications are made to understand how to adapt your driving behavior accordingly.

Avoid installing equipment not specifically approved by BRP for the vehicle and avoid unauthorized modifications. These modifications and equipment have not been tested by BRP and may create hazards. For example, they could:

– Create a loss of control and increase risk of crash
– Cause overheating or short circuits increasing the risk of fire or burn injuries
– Affect the protection features provided by the vehicle.

Your vehicle may also become illegal to ride.

As an example, installing an additional GPS or cell phone support may prevent the driving capabilities of the vehicle and increase the risk of a loss of control.

Ask your authorized BRP dealer for suitable available accessories for your vehicle.

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 reboard 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 refill the fuel caddy on the PWC, refill on shore.
– On a 3–up vehicle, never tow a skier or a wakeboarder while having a fuel caddy installed.

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)

3–UP Models Only

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 PWC.

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

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

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.

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 if the PWC and to develop good control skills.

Slow Speed Mode, Ski Mode and Speed Limiter Mode (if equipped)

If your watercraft has any of these modes, it is also important to understand their operation and to become familiar with these features prior to using them on a ride with other people.

⚠ WARNING

The ski and the speed limiter modes are not an automatic pilot; they will not drive the watercraft for you.

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

The gasoline must have the following minimum octane requirements:

Engine	Recommended Fuel
300	Use Premium gasoline with an AKI (RON+MON)/2 octane rating of 92 or an RON octane rating of 95.
All other	Use common 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.

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.

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=mXtHWIdt7yI

Or, use the following QR code.

IMPORTANT ON-PRODUCT LABELS

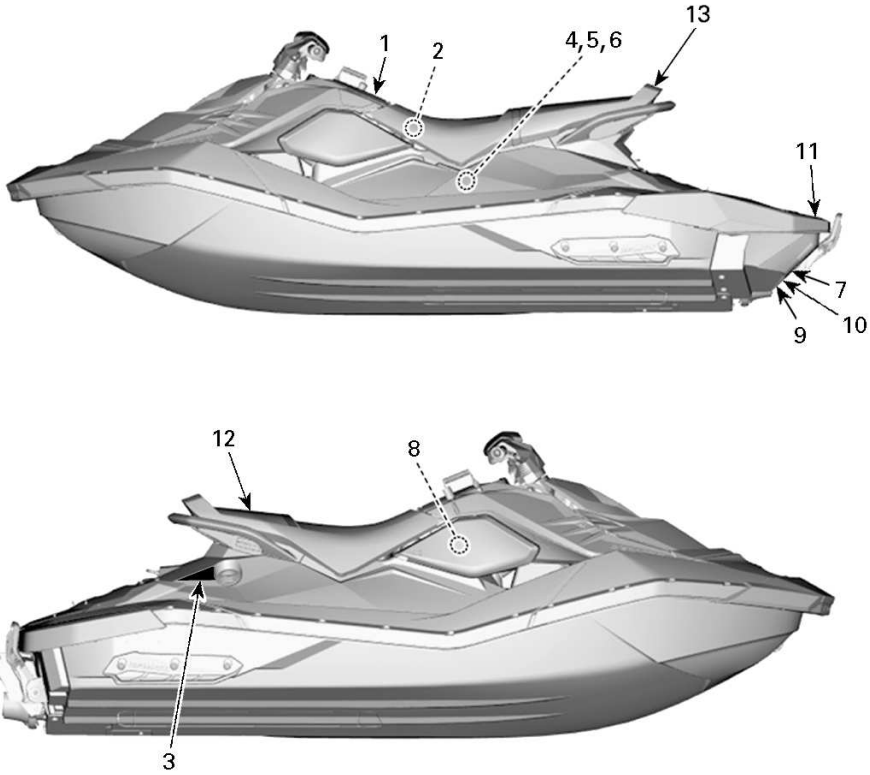
Watercraft Safety Labels

These labels are affixed to the vehicle for the safety of the operator, passengers or bystanders.

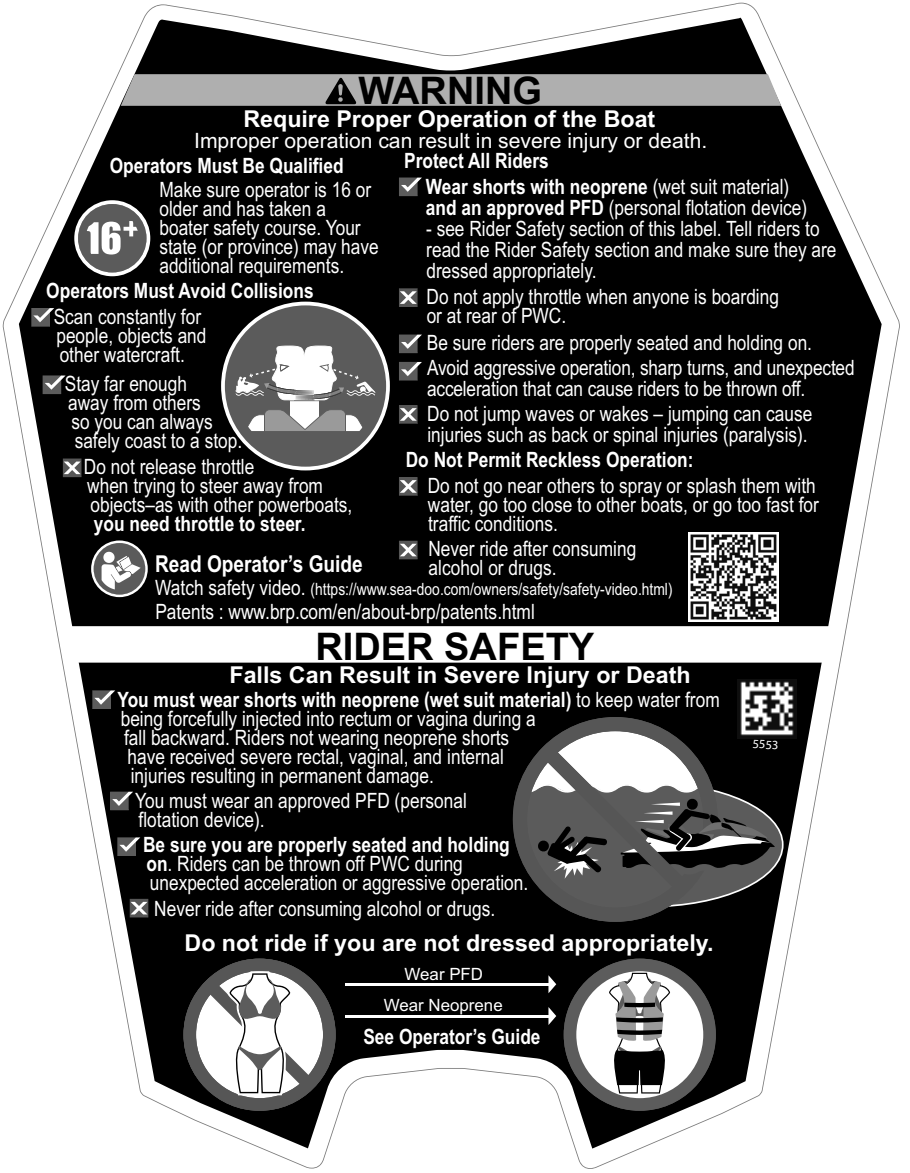
The operator and when applicable, the passenger, shall read and understand this information before riding.

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.

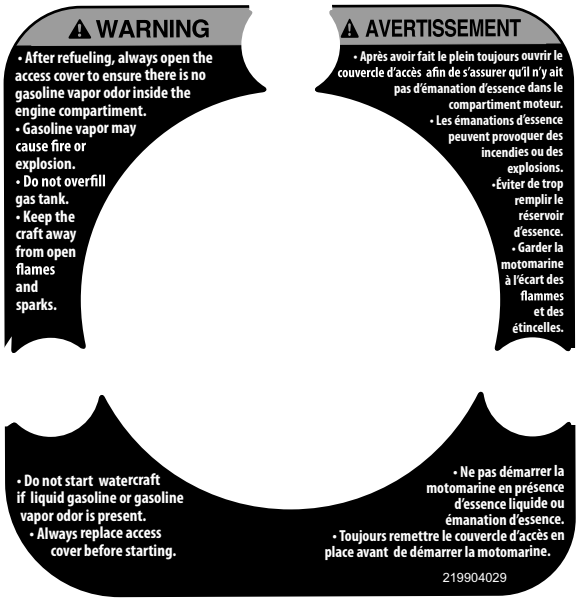
NOTE:
In the event of any discrepancy between this guide and the vehicle, the safety labels on the vehicle have precedence over the labels in this guide.



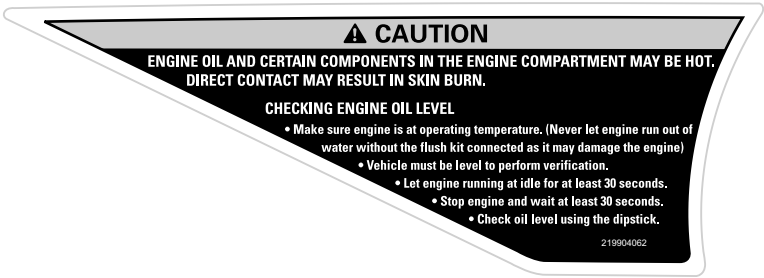
1. General Warning Label
2. Fuel Warning Label
3. Checking Engine Oil Label
4. Disconnecting Coil Label
5. Battery Label
6. Coolant Hot - Do Not Open Label
7. Tip Over Label
8. Do Not Use for Storage
9. iBR Gate Label - Moving Parts
10. Do Not Use To Onboard
11. Re-Boarding Label
12. Do Not Sit Pictogram
13. Passenger Transportation - Appropriate Wearing



GENERAL WARNING LABEL



FUEL WARNING LABEL



CHECKING ENGINE OIL LABEL

DISCONNECTING COIL LABEL

⚠ WARNING

- **Remove battery from boat before charging.**
- **Do not overcharge battery.**
- **Improper charging of battery can cause explosion.**
- **Certain components in the engine compartment may be very hot. Direct contact may result in skin burn.**

219904283

BATTERY LABEL

⚠ CAUTION

Heat exchanger in the hull may become very hot. Avoid any contact with heat exchanger as burns may occur.

219904060

NOTICE

- Make sure engine is off.
- Grab inlet grate and step on bumper.
- Roll PWC.

TIP OVER LABEL

DO NOT USE FOR STORAGE

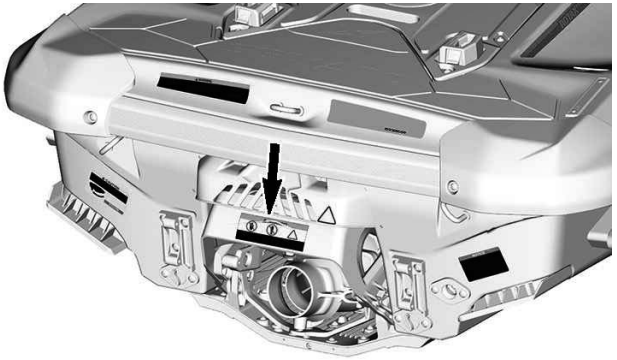
⚠ WARNING

AVOID SERIOUS INJURY OR DEATH:
• Engine must be turned off before re-boarding. • Keep away from propulsion system and intake grate.
WHEN RE-BOARDING: • Re-board one person at a time. • Stay centered to keep balance.
Never use the boarding step (if so equipped) for pulling, towing, jumping or boarding a PWC that is out of water or any purpose for which it was not designed.
219904576A

RE-BOARDING LABEL

DO NOT SIT PICTOGRAM

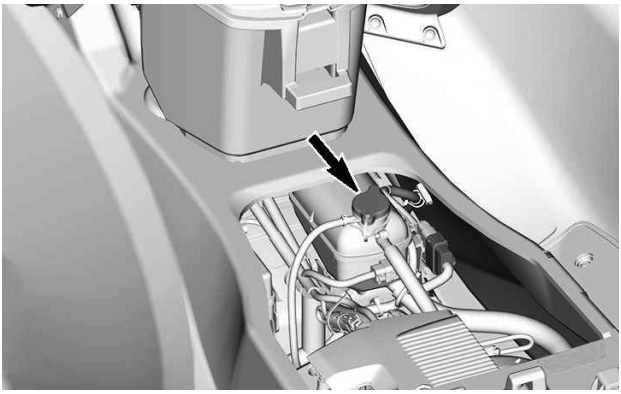
iBR Gate Label - Moving Part



Do Not Use To Onboard

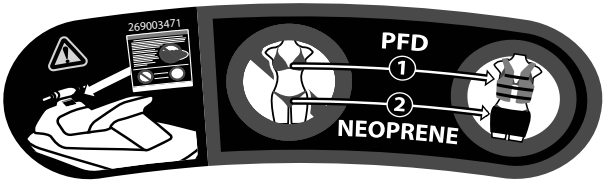
Coolant Hot - Do Not Open Label

F00A2TY



Passenger Transportation - Appropriate Wearing

⚠ WARNING
– **Never carry passengers on rear platform, always use the rear seat to carry passengers.** – **Wear shorts with neoprene and approved PFD.**



Hang Tag

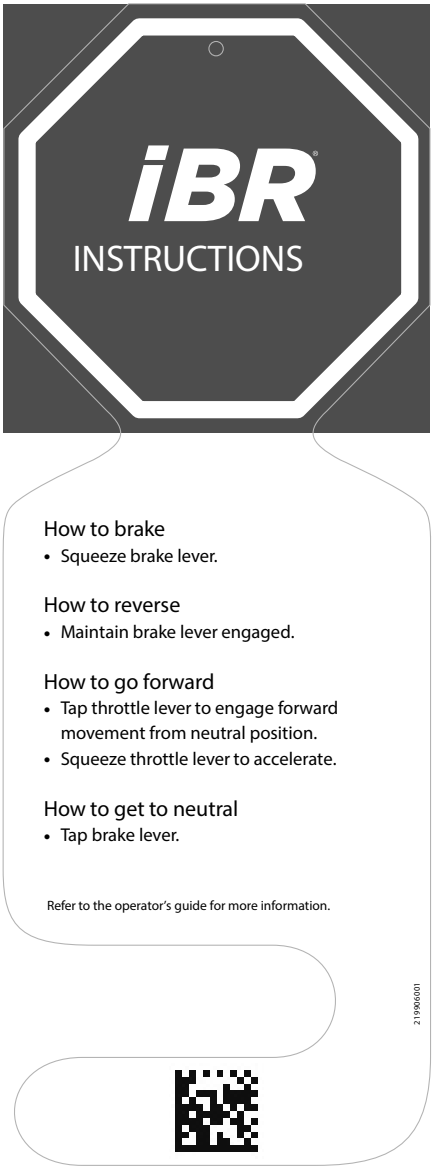
California Proposition 65 Warning

⚠ **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, service your vessel in a well-ventilated area and wear gloves or wash your hands frequently when servicing this vessel.

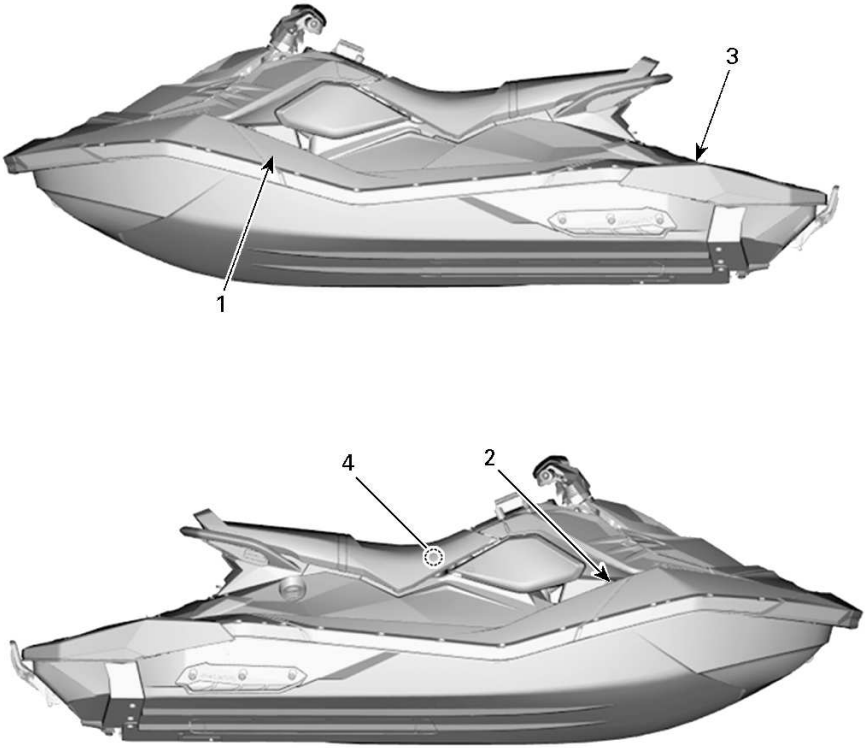
For more information go to www.P65warnings.ca.gov/products/marine

219905280

iBR Hang Tag


iBR
INSTRUCTIONS
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.
219906001
STOP
iBR
INTELLIGENT BRAKE AND REVERSE
THIRD GENERATION
• Allows you to stop sooner for greater peace of mind .
• Recognized by the U.S. Coast Guard for improving boating safety since 2009.
• The Third Generation provides more precise and responsive control when braking and docking.
SEA-DOO

Compliance Labels



LABEL 1

The Star Label means Cleaner Marine Engines

This engine has been certified as:

LOW EMISSION ☐ VERY • LOW EMISSION ☐ ULTRA • LOW EMISSION ☐ SUPER-ULTRA-LOW EMISSION ☑

○ **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 ressources.

Longer Emission Warranty
Protects consumer for worry free operation.

○

LOW EMISSION

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.

VERY • LOW EMISSION

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.

ULTRA LOW EMISSION

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.

SUPER-ULTRA-LOW EMISSION

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.

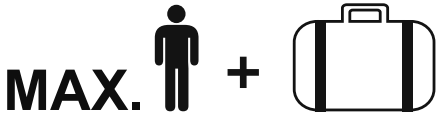
BOMBARDIER RECREATIONAL PRODUCTS INC.
VALCOURT, QUÉBEC, CANADA
Cleaner Watercraft - Get the facts 1-800-END-SMOG
www.arb.ca.gov

219902678

STAR LABEL HANG TAG

CANADIAN COMPLIANCE NOTICE
AVIS DE CONFORMITÉ CANADIEN

MAXIMUM RECOMMENDED SAFE LIMITS
LIMITES MAXIMALES DE SÉCURITÉ RECOMMANDÉES



CATEGORY / CATÉGORIE: C

MAXIMUM WAVE / VAGUE MAXIMALE: **2.0 m**

MAXIMUM WIND SPEED / VITESSE DE VENT MAXIMALE: **33 knots/noeuds**

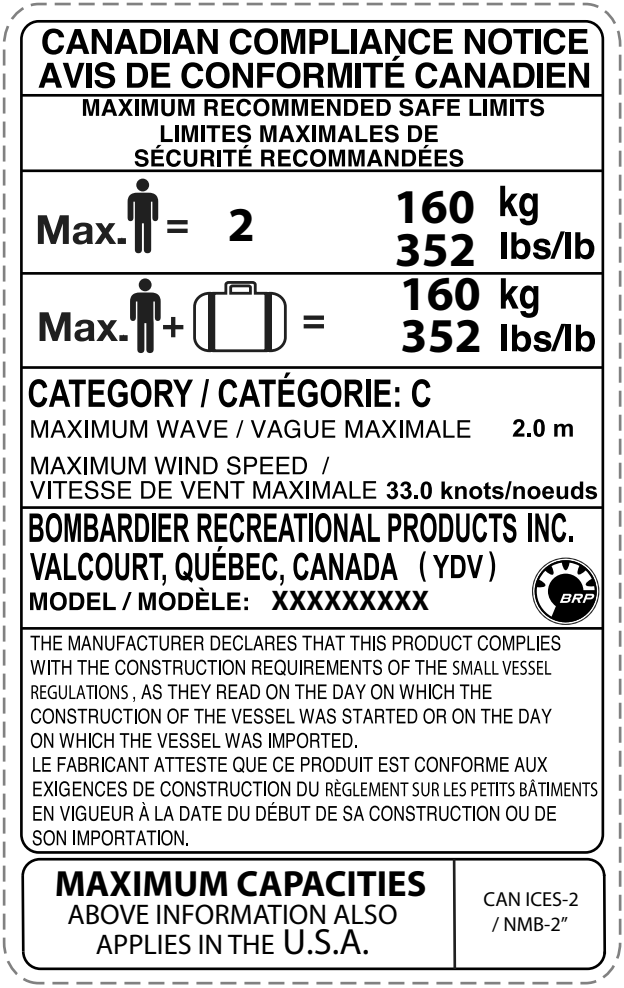
BOMBARDIER RECREATIONAL PRODUCTS INC. (YDV)
VALCOURT, QUEBEC, CANADA
SKALDENSTRAAT 125, GENT, 9042, BE

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.

LABEL 2- LOCATED INSIDE THE LH FOOTREST.



LABEL 2 - 2UP MODELS - TYPICAL CANADIAN COMPLIANCE NOTICE (CAN MODELS ONLY)

CANADIAN COMPLIANCE NOTICE
AVIS DE CONFORMITÉ CANADIEN

MAXIMUM RECOMMENDED SAFE LIMITS
LIMITES MAXIMALES DE SÉCURITÉ RECOMMANDÉES

Max. = 3 — 205 kg / 450 lbs/lb

Max. + = — 205 kg / 450 lbs/lb

CATEGORY / CATÉGORIE: C

MAXIMUM WAVE / VAGUE MAXIMALE **2.0 m**

MAXIMUM WIND SPEED / VITESSE DE VENT MAXIMALE **33.0 knots/noeuds**

BOMBARDIER RECREATIONAL PRODUCTS INC.
VALCOURT, QUÉBEC, CANADA (YDV)
MODEL / MODÈLE: XXXXXXXXX

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 RÈGLEMENT 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"

LABEL 2 - 3UP MODELS - TYPICAL CANADIAN COMPLIANCE NOTICE (CAN MODELS ONLY)

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

219905499

LABEL 3 - TYPICAL

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
CE MOTEUR EST CONFORME AUX NORMES DE L'EPA DES É.-U. POUR LES MOTEURS MARINS À ALLUMAGE COMMANDÉ.

EC 121

	ENGINE FAMILY / FAMILLE DE MOTEUR
(EPA FEL) (CA FEL)	CERTIFICATION STANDARDS NORMES DE CERTIFICATION
	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 SPÉCIFICATIONS D'ESSENCE, D'HUILE ET DE BOUGIE D'ALLUMAGE DANS LE GUIDE DE L'OPÉRATEUR.
219905703

LABEL 5 - 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

LABEL 6 - LOCATED NEAR GAS CAP

PRE-RIDE INSPECTION

We encourage you to have an Annual Safety Inspection of your vehicle. Please contact an authorized BRP dealer for further details. Though not required, it is recommended that an authorized BRP dealer performs the preseason preparation of your vehicle. Each visit to your authorized BRP 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 BRP dealer in a timely manner if you become aware of any safety related campaigns.

⚠ WARNING

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 a breakdown or crash.

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

What to Do Before Launching the Watercraft

⚠ WARNING

Engine should be off and the tether cord cap should always be removed from the engine cut-off switch prior to verifying any of the following points. Only start watercraft once all items have been checked and operate properly.

NOTE: Before starting the engine and taking off, it is recommended to shake vertically the rear of the watercraft to shake away any sand that may have accumulated near the propulsion and reverse systems.

Check the items listed in the following table before launching the watercraft.

ITEM	OPERATION
Hull	Inspect hull, ride plate and water inlet grate for damages
Jet pump water intake	Inspect/clean
Drain plugs	Tighten
Fuel tank	Refill
Engine compartment	Check for any visible fluid leaks and gasoline vapor odor
Engine oil level	Check/refill
Engine coolant level	Check/refill
Steering system	Check operation

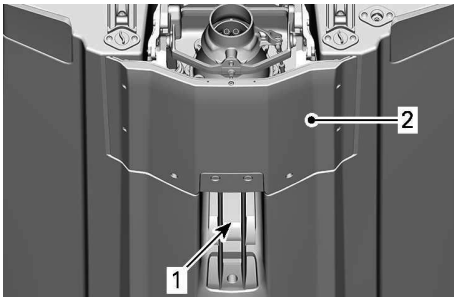
iTC lever	Check operation. (Depress and release the lever to check for freedom of movement. If any friction is felt, the lever must be taken apart, cleaned, inspected for wear and lubricated)
iBR lever (if equipped)	Check operation. (Depress and release the lever to check for freedom of movement. If any friction is felt, the lever must be taken apart, cleaned, inspected for wear and lubricated)
Front storage compartment cover (if equipped), glove box and seat	Ensure they are closed and latched.
Wakeboard rack (if equipped)	– Ensure rack is properly installed and secured. – Make sure bungee cords are in good condition. – Ensure wakeboard is correctly installed in rack and secured.
Ski/wakeboard pylon (if equipped)	Inspect and check operation.
Engine START/STOP button	Check operation
Engine cut-off switch and the monitoring beeper	Check operation
Battery condition and connections	Check every month
Sacrificial anodes	Inspect every month (more often in saltwater use) and change if necessary
Audio System	– Before installation, ensure latch can move freely and return to its initial position – After installation, ensure audio system is properly installed and secured

Hull

Inspect hull for cracks and other damages.

Jet Pump Water Intake

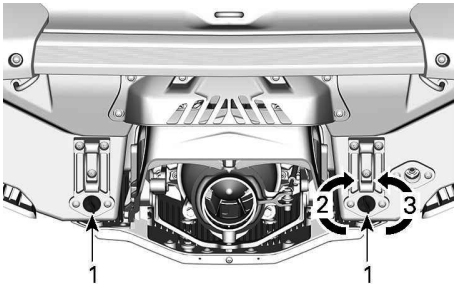
Remove weeds, shells, debris or anything else that could restrict the flow of water and damage the propulsion unit. Clean as necessary. If any obstruction cannot be removed, refer to an authorized *Sea-Doo* dealer for servicing.



1. *Water intake*
2. *Ride plate*

Drain Plugs

Secure bilge drain plugs.



1. *Bilge drain plug*
2. *Tighten*
3. *Untighten*

⚠ WARNING

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

Fuel Tank

Fill the fuel tank.

⚠ WARNING

Strictly adhere to instructions detailed in *Fueling Procedure*.

Engine Compartment

Inspect the engine compartment for fuel vapor odor.

⚠ WARNING

Should any leak or gasoline odor be present, do not apply electrical power or start the engine. You should 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 Emissions-related warranty* contained herein for information about warranty claims.

To access the engine compartment, remove the seats. Refer to *Removing the Seat*.

Engine Oil

Ensure oil level is within specification as described in *Maintenance Procedures* section.

Engine Coolant

Ensure coolant level is within specification as described in *Maintenance Procedures* section.

Check for coolant leaks on engine, in bilge and from ride plate.

⚠ CAUTION

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

Steering System

Assisted by another person, check steering operation for free movement.

When the handlebar is horizontal, the jet pump nozzle should be in the straight ahead position. Ensure the jet

pump nozzle pivots easily and in the same direction as the handlebar (e.g.: when handlebar is turned to the left, the nozzle opening must point towards the LH side of watercraft).

⚠ 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 steering moving parts (nozzle, iBR gate, linkages etc.).

Throttle Lever

Check the Electronic Throttle Control lever (ETC) for free and smooth operation. It should return to its initial position immediately after it is released.

⚠ WARNING

Check throttle lever operation before starting the engine. If any friction is felt in the throttle lever, refer to an authorized *Sea-Doo* dealer.

iBR Lever

Check the iBR lever for free and smooth operation. It should return to its initial position immediately after it is released.

⚠ WARNING

Check iBR lever operation before starting the engine. If any friction is felt in the iBR lever, refer to an authorized *Sea-Doo* dealer.

Storage Compartments, Boarding Platform and Seat

Ensure the glove box, boarding platform, access panels, and seat are closed and latched.

⚠ WARNING

Ensure the seat, boarding platform, access panels, and all storage compartment covers are securely latched.

Wakeboard Rack (if equipped)

⚠ WARNING

Ensure wakeboard rack is properly secured to watercraft body, and that the wakeboard is properly positioned and secured to the rack prior to using watercraft. Ensure wakeboard retaining straps are in good condition.

Ski/Wakeboard Pylon (if equipped)

Make sure ski/wakeboard pylon is fully extended and locked before use.

Completely retract and lock when not used.

⚠ WARNING

When using the ski pylon, never carry cargo or accessories on the boarding platform.

⚠ WARNING

Use caution with skier/wakeboarder in tow as tow rope may backlash to watercraft when released. Never perform a sharp turn when towing a skier, wakeboarder or any toy. Always store tow rope when not in use.

NOTICE

The ski/wakeboard pylon is designed for towing a skier or wakeboarder with a maximum weight of 114 kg (250 lb).

⚠ CAUTION

Never use the ski pylon to tow an inflatable tube. Always use the rear cleat for towing an inflatable tube.

Engine Cut-Off Switch and Engine START/STOP Button

Press the start button once without installing the tether cordon the engine cut-off switch.

Install the tether cord cap on the engine cut-off switch.

Press the START/STOP button to start the engine, then stop it by pressing the START/STOP button a second time.

Restart the engine, then stop it by removing the tether cord from the engine cut-off switch.

⚠ WARNING

Should the tether cord cap be loose or fail to remain on the engine cut-off switch, replace the tether cord immediately in order to avoid unsafe use. If removing the tether cord cap from the engine cut-off switch or pressing the START/STOP button does not stop the engine, do not use the watercraft. See your authorized *Sea-Doo* dealer.

What to Do After Launching the Watercraft

Check the items listed in the following table after launching the watercraft and before going for a ride.

⚠ WARNING

Engine should be off and the tether cord cap should always be removed from the engine cut-off switch prior to verifying any of the following points. Only start watercraft once all items have been checked and operate properly.

NOTE: Before starting the engine and taking off, it is recommended to shake vertically the rear of the watercraft to shake away any sand that may have accumulated near the propulsion and reverse systems.

Check the items listed in the following table before launching the watercraft.

ITEM	OPERATION
Information Center	Check operation.
Intelligent Brake and Reverse System (iBR)	Check operation.
Variable Trim System (VTS)	Check operation.

Information Center (Gauge)

1. Press START/STOP button and install tether cord on the engine cut--off switch.
2. As the information center cycles through its self-test function, ensure all indications come on.

⚠ WARNING

Always attach the tether cord clip to your PFD or to the wrist (wrist strap required).

iBR System

NOTICE

Ensure there is sufficient space ahead and behind watercraft to safely carry out the iBR system test to avoid a collision. Watercraft will move during test.

1. Remove the moorings lines securing the watercraft to the dock.
2. Start the engine and ensure the watercraft does not move.
3. On the left handlebar, depress the iBR lever completely in, the watercraft should move slowly backwards.

4. Release the iBR lever, there should not be any reverse thrust.

⚠ WARNING

Always ensure proper iBR system operation before taking the watercraft out for a ride.

Variable Trim System (VTS) (if equipped)

With the engine running in forward thrust, use the VTSTM system to move the jet pump nozzle up, and then down alternately to check VTS operation. Confirm the VTS position indicator movement in the information center.

Also test the VTS preset trim positions by double clicking the VTS UP/DOWN button (as applicable to model).

Refer to *Operating Instructions* for detailed instructions.

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.

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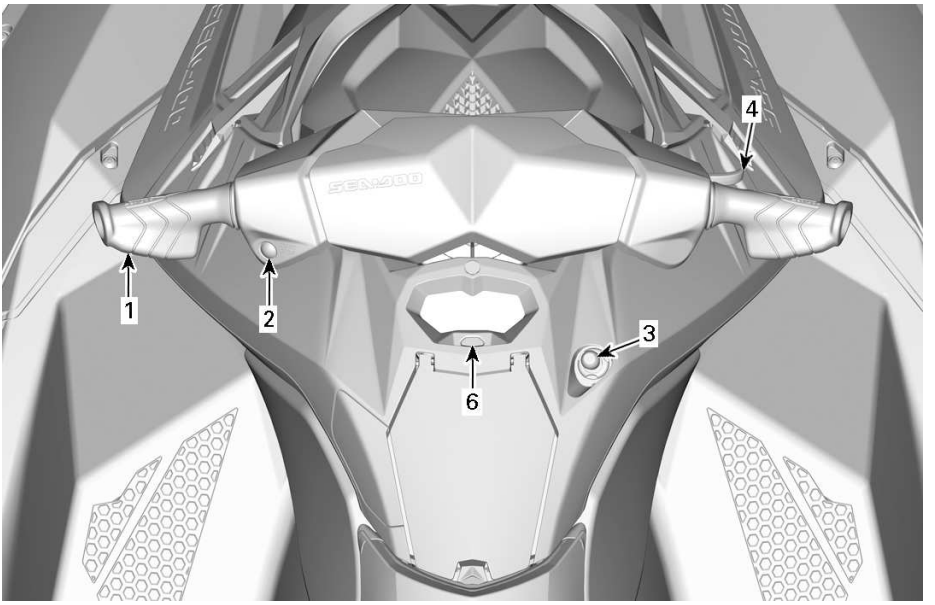
WATERCRAFT INFORMATION

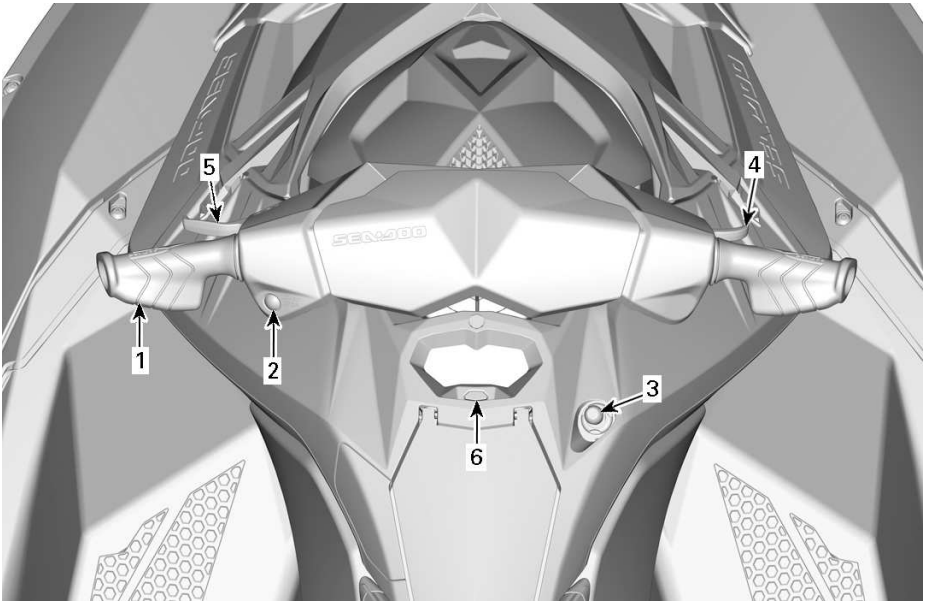
CONTROLS

Some vehicle safety labels are not shown on illustrations. For information on vehicle safety labels, refer to *Important On-Product Labels*.

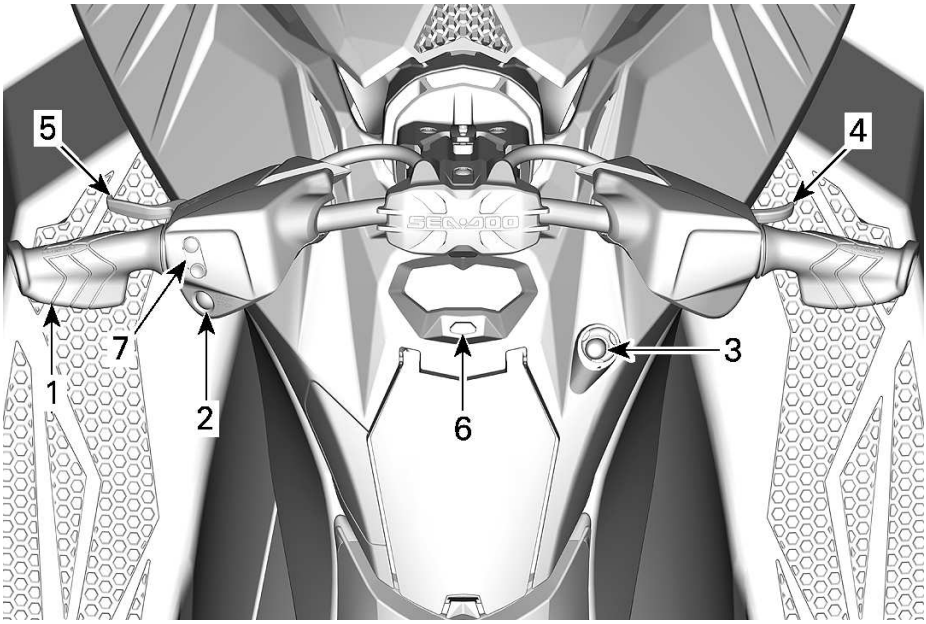
Some indications, functions and features described in this section may not apply to every PWC model, or may be available as an option.



TYPICAL - MODELS WITHOUT IBR



TYPICAL - MODELS WITH IBR



TRIXX MODELS

1. Handlebar
2. Engine START/STOP Button
3. Engine Cut-Off Switch
4. Throttle Lever
5. iBR Lever (intelligent Brake and Reverse) (Models with iBR)
6. Mode Button
7. Variable Trim System (VTS) Button (Trixx Models)

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.

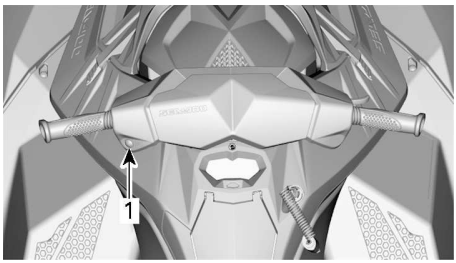
⚠ WARNING

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.

Engine START/STOP Button

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



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

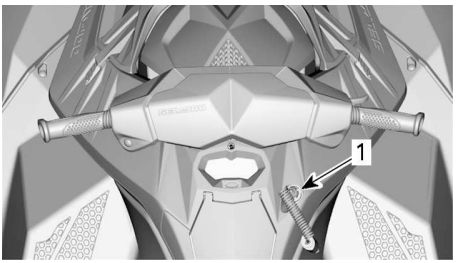
This feature allows keeping the electrical system awake to allow using accessories when the engine is turned off. It also prevents draining the battery too much when using accessories. When the battery voltage reaches 12.3V or less, the system will automatically shut down to ensure being able to start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

Engine Cut-Off Switch

The engine cut-off switch is located on the RH side of the multifunction gauge.



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.

D.E.S.S. Key

Digitally Encoded Security System (D.E.S.S.)

The ignition keys contain an electronic circuit that gives it a unique electronic serial number.

The D.E.S.S. system reads the key code and allows engine starting for keys it recognizes.

NOTE:
Additional keys are available from your dealer as an accessory.

Radio Frequency Digitally Encoded Security System (RF D.E.S.S.) Key (Available as an option)

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.

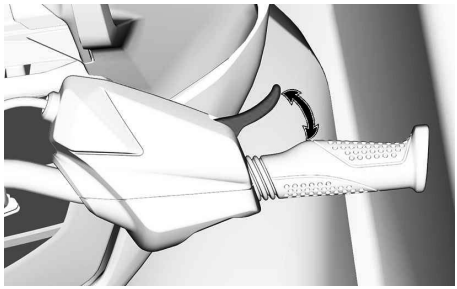
To have a key programmed to your watercraft, see your authorized BRP Sea-Doo dealer.

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.



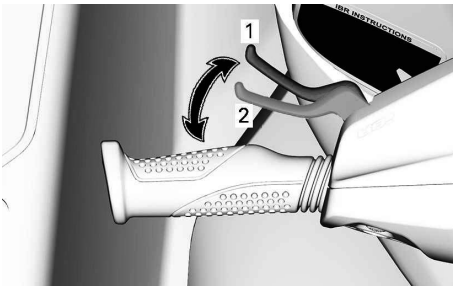
The throttle lever is spring loaded and should return to rest position (idle) when not pressed.

iBR Lever (intelligent Brake and Reverse) (Models with iBR)

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.



1. *Lever rest position*
2. *25% stroke required to activate iBR functions*

At speeds below 7 km/h (5 MPH), pulling the iBR lever in will engage reverse.

NOTE:
If water current is 7 km/h (5 MPH) or above, the reverse can not be engaged as the speed threshold for the reverse is exceeded.

At speeds above 7 km/h (5 MPH), pulling the iBR lever in will engage the brake.

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

⚠ WARNING

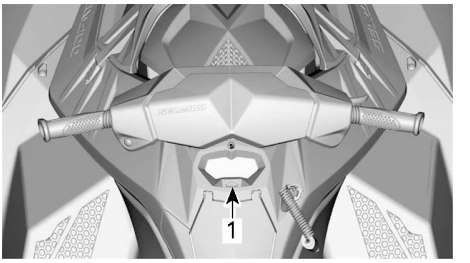
If throttle lever is still pulled in when releasing the iBR lever, forward movement will be initiated after a short delay. If forward acceleration is not desired, release the throttle lever.

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

Refer to *Operating Instructions* for detailed instructions.

Mode Button

The MODE button is located directly below the multifunction gauge.



TYPICAL

1. *MODE button*

Rotax 900 ACE - 60

It is used to scroll through the multifunction displays.

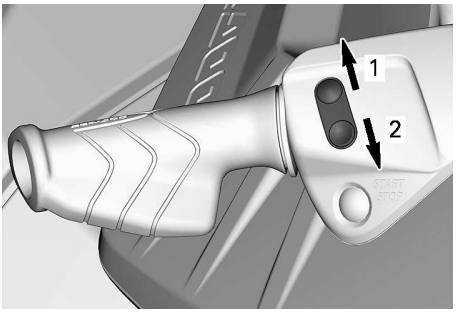
Rotax 900 ACE - 90

It is used to activate or deactivate SPORT mode and to scroll through the multifunction displays.

Refer to *Multifunction Gauge (LCD)* for details.

Variable Trim System (VTS) Button (Trixx Models)

The VTS control button is located on the LH handlebar.



VTS CONTROL BUTTON

1. *Bow up*
2. *Bow down*

The VTS control button is used to adjust the riding attitude of the watercraft.

Refer to *Operating Instructions* for detailed instructions.

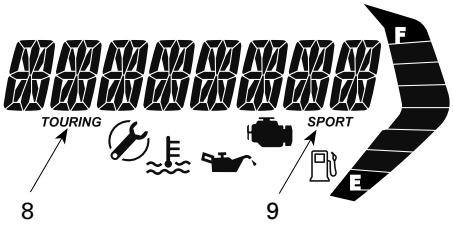
MULTIFUNCTION GAUGE (LCD)

The multifunction gauge (LCD) is located above the glove box.

Multifunction Gauge Description

1. *Multifunction display*
2. *Fuel level display*
3. *Low fuel level indicator*
4. *Check engine indicator*
5. *Engine temperature indicator*
6. *Low oil pressure indicator*
7. *Maintenance reminder indicator*

Rotax 900 ACE - 90

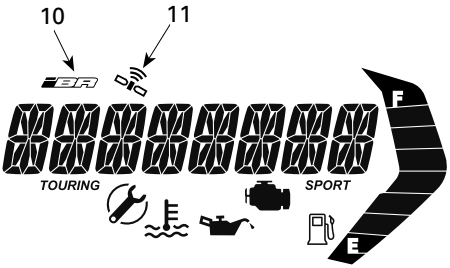


TYPICAL

8. Touring mode indicator

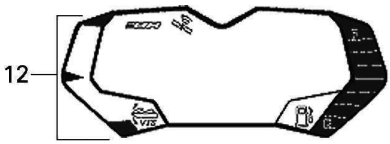
9. Sport mode indicator

Models with iBR



10. iBR fault indicator

11. GPS satellites synch



10. VTS position display

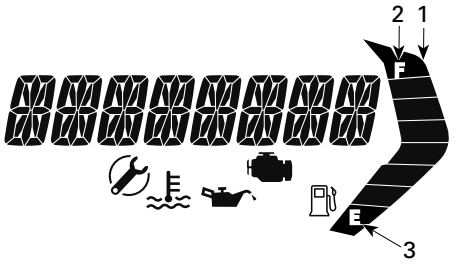
Multifunction Display

The multifunction display is used to:

- Display the WELCOME message on power up.
- Activating and setting modes of operation.
- Display scrolling messages of function activation or system faults.
- Display fault messages.

Fuel Level Display

Bar gauge continuously indicates the level of fuel in the fuel tank while riding.



1. *Fuel level display*
2. *Top segment*
3. *Bottom segment*

When the fuel tank is full, 8 segments (bars) of the indicator are turned on.

When the fuel tank is almost empty, the two bottom segments flash and the low fuel indicator lamp starts flashing.

Low Fuel Level Indicator

When this indicator starts flashing, it indicates that there is approximately 12 l (3.2 gal(liq.,US)) of fuel left in fuel tank.

Check Engine Indicator

When this indicator is ON, it indicates an engine fault, look for a message at the LCD display.

When this indicator blinks, it indicates that the **LIMP HOME** mode is activated.

When the check engine indicator comes on, you may 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.

Refer to *Troubleshooting* section for more details.

Engine Temperature Indicator

When this indicator is ON, it indicates that engine or exhaust system may be overheating.

Low Oil Pressure Indicator

When this indicator is ON, it indicates low oil pressure, look for a message at the LCD display.

Maintenance Reminder Indicator

The maintenance reminder indicator comes ON when required maintenance is due.

When the maintenance reminder indicator comes on, you may 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.

Touring Mode Indicator (Rotax 900 ACE - 90)

When the TOURING mode indicator is ON, the default TOURING mode is active.

NOTE:
TOURING mode indicator will turn off once SPORT mode is activated and will come on again when SPORT mode is deactivated.

Sport Mode Indicator (Rotax 900 ACE - 90)

The SPORT mode indicator is normally off.

When sport mode is selected, the SPORT mode indicator will come on and stay on until sport mode is deactivated, or the watercraft is shut down.

iBR Fault Indicator (Models with iBR)

The iBR fault indicator comes ON when a fault in the iBR system has been detected.

Refer to *Troubleshooting* for details.

GPS Active Indicator (If Equipped)

A GPS incorporated in the multifunction gauge provides the speed in the multifunction display.

This is confirmed when the GPS active indicator is visible in the digital screen.

VTS Indicator (Models with VTS)

The VTS indicator comes ON while operating the VTS.

The LH bar gauge is also turned on to indicate the relative position of the watercraft bow.

Navigating the Multifunction Display

⚠ 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.

Selecting Functions

When the electrical system is powered up and the cluster has completed its self test function, a WELCOME ABOARD SEA-DOO scrolling message will appear for a few seconds. After the welcome message, the multifunction display will display the last selected option.

NOTE:
You can skip the welcome message by pressing the MODE button.

The multifunction display is also used to display a menu for the selection of various functions which permit changing the numerical display indication, system modes of operation (Rotax 900 ACE - 90), and active system fault messages.

NOTE:
To change the unit of measurement or the language displayed, see your authorized Sea-Doo dealer.

To select the various options available through the multifunction display, press quickly the MODE button repeatedly until the desired display options is visible:

– SPEED

– RPM
– HOUR

Display Option Description

Speed

The SPEED can be displayed in km/h or MPH depending on the unit of measurement setting.

Models with iBR

The speed indication is based on a GPS (Global Positioning System) incorporated within the multifunction gauge.

If for some reason the GPS signal is lost, a default mode is used whereby, the speed is calculated using information received from other systems to provide an estimated watercraft speed.

RPM

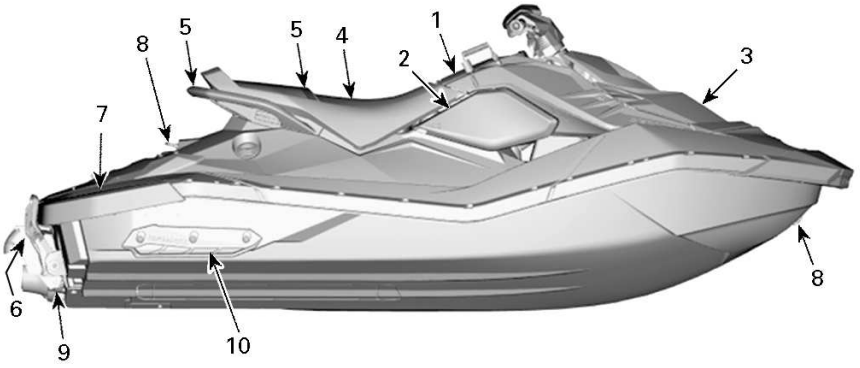
The RPM is displayed as a numerical value.

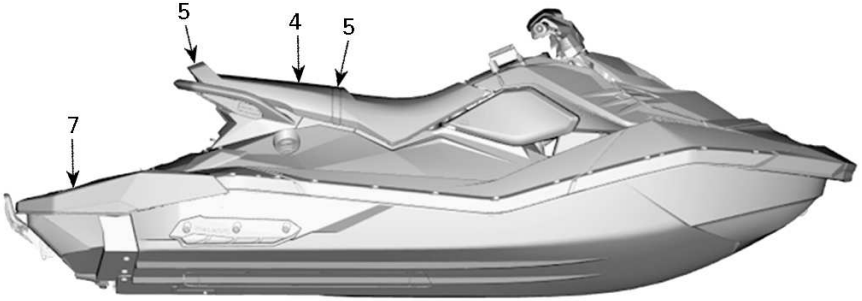
Hour

The HOUR is used to display the accumulated engine hours.

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

Some vehicle safety labels are not shown on illustrations. For information on vehicle safety labels, refer to *Watercraft Safety Labels*.





1. Glove Box
2. Safety Equipment Kit Storage Compartment
3. Storage Bin (Convenience Package)
4. Seat
5. Passenger Handholds
6. Boarding Step (Convenience Package)
7. Boarding Platform
8. Front and Rear Eyelet
9. Bilge Drain Plug
10. Sponsons
11. Rear Footrests (Trixx Models)
12. Adjustable Handlebar Riser (Trixx Models)
13. Audio System (If equipped)

Glove Box

A small storage compartment for personal articles, located at the front of the seat.

NOTE:
Glove box is not watertight.

Push tab forward to open glove box.

1. Glove box
2. Tab

Safety Equipment Kit Storage Compartment

A small area to store safety equipment

kit or emergency kit only (not supplied with vehicle).

NOTICE

This area is not intended for general storage. Do not store any other items in this area. Storing other items in this area can damage the vehicle.

To open this storage compartment, manually release and remove the RH side panel.

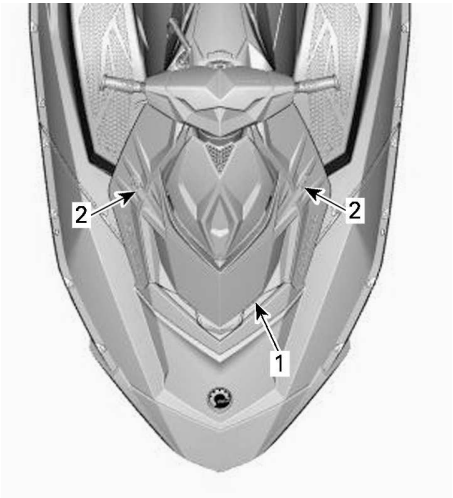
1. RH side panel

RH SIDE PANEL REMOVED

Storage Bin (Convenience Package)

A convenient area to carry personal articles.

To open the storage bin front cover, release the lid hooks on each side. Always close and latch cover when riding.



TYPICAL

1. Front cover
2. Lid hooks

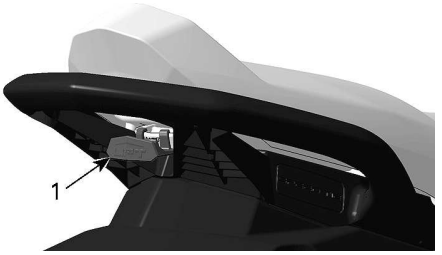
NOTICE

Never carry any loose, heavy, sharp, or breakable objects in the storage bin. Do not exceed maximum load capacity; 2.5 kg (5 lb). Never operate the watercraft with the storage bin front cover open. This is not a watertight compartment.

Seat

The seat latch is located under the back end of the seat.

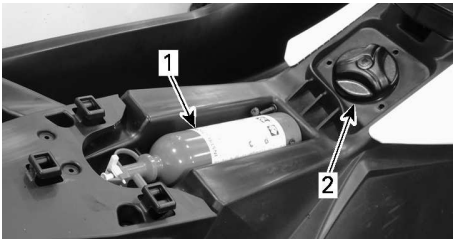
To remove the seat, push up on the latch handle. Release the latch handle and slide the seat backward.



TYPICAL - SEAT LATCH

1. *Seat latch handle*

Removing the seat provides access to the rear storage compartment (3UP models only), operator's guide, the fire extinguisher (not supplied with vehicle) and the fuel cap.



TYPICAL - SEAT REMOVED

1. *Fire extinguisher*
2. *Fuel cap*

TYPICAL - FLIP SIDE OF REMOVED SEAT

1. *Operator's guide*

To install the seat, position the seat in place and push the seat forward until the latch clicks.

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

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 also provides a handhold for the skier/wakeboarder spotter (if applicable) or boarding the watercraft from the water.

NOTICE

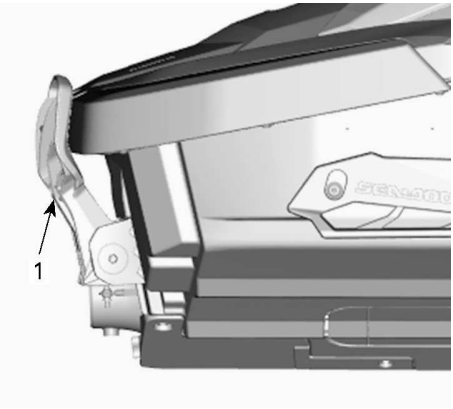
Never use the molded grab handle to tow anything or to lift the watercraft.

PASSENGER HANDHOLDS

1. *Seat strap*
2. *Molded grab handle*

Boarding Step (Convenience Package)

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



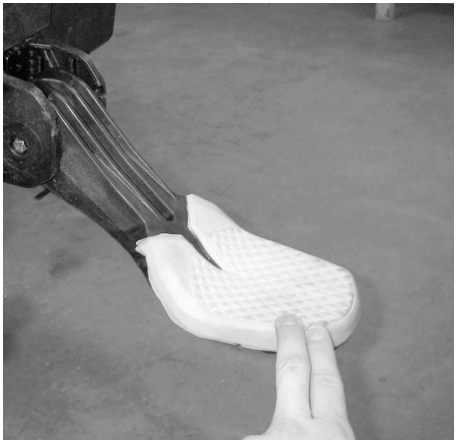
TYPICAL

1. Boarding step

⚠ WARNING

Engine must be OFF when boarding the watercraft or when using the boarding ladder.

Pull down the step with your hand and hold until a knee is put on the step.



BOARDING STEP HELD DOWN FOR BOARDING FROM WATER

NOTICE

- **Never use the step for boarding a watercraft that is out of water.**
- **Never use the step for pulling, towing, diving or jumping, or any other purpose other than as a boarding step.**
- **Only one person at a time on the step.**
- **Only board the step with a knee, not a foot.**

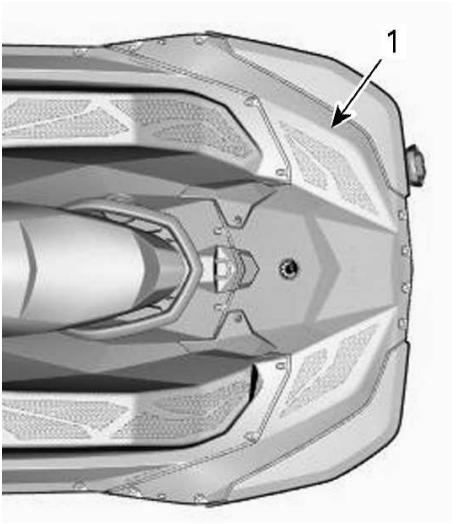
Models with iBR

⚠ 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. Never use iBR gate as a supporting point to board the watercraft.

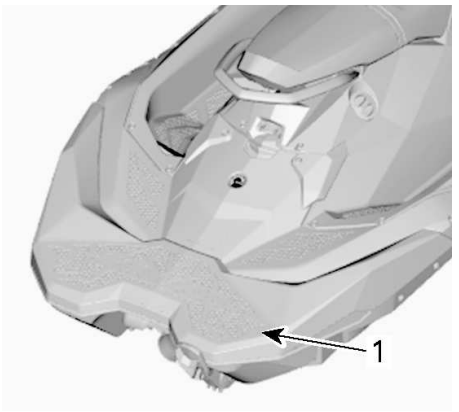
Boarding Platform

The rear deck area serves as the boarding platform.



TYPICAL - 2UP MODELS

1. Boarding platform



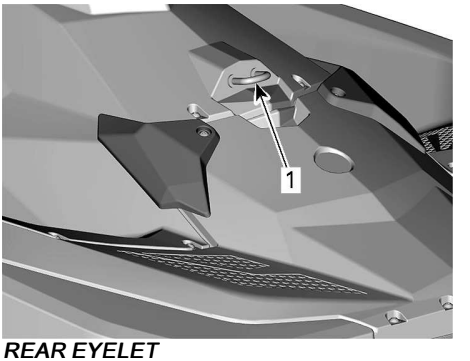
TYPICAL - 3UP MODELS

1. Boarding platform

Front and Rear Eyelets

Eyelets can be used for mooring, towing a water skier (3UP models), wake boarder or tuber (3UP models), and as tie-down points when trailering your watercraft.

FRONT EYELET

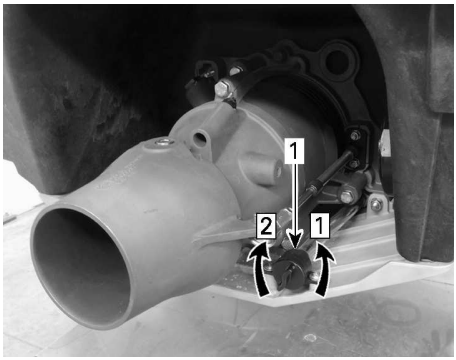


REAR EYELET

1. Rear eyelet

Bilge Drain Plug

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 plug*

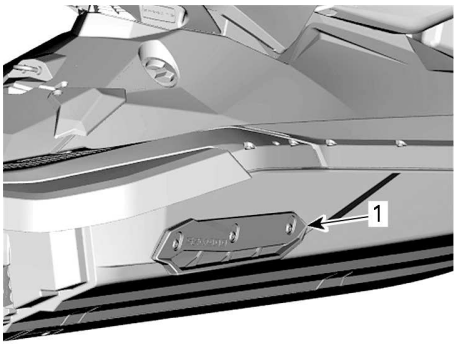
1. *Untighten*
2. *Tighten*

NOTICE

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

Sponsons

Two fixed sponsons, one on each side at the rear of the hull, assist in watercraft stability. The sponsons are not adjustable.



1. *Sponson*

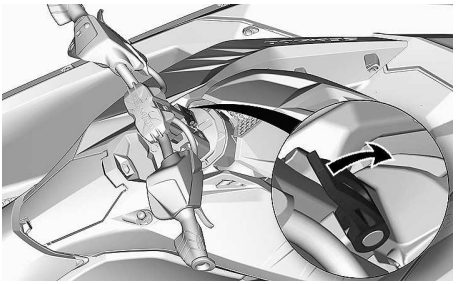
Rear Footrests (Trixx Models)

Angled footrests used to enhance control when purposely raising the bow.

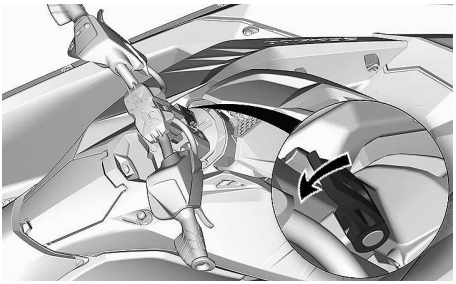
Adjustable Handlebar Riser (Trixx Models)

The handlebar height can be set to suit the operator's preference.

1. Unlock the mechanism using the lever.



2. Adjust the handlebar to the desired height.
3. Lock the mechanism using the lever.



Audio System (If Equipped)

Some models are equipped with a portable audio system.

The BRP audio system is composed of two waterproof speakers, two tweeters, one passive radiator, a keypad, a charging port and a vent port. The system connects via Bluetooth to a smartphone.

When the **Play/Pause/Power** button is pressed, the system will be powered.

Bluetooth Pairing Mode - When the unit is powered On, the system will automatically try to pair with the last connected device or will go in pairing mode if no paired devices are detected. When the system is in pairing mode, all the button lights will blink. To manually enter the pairing mode, hold down the **Play/Pause/Power** button for 1 second. The buttons will start blinking to indicate it's in pairing mode. Search for **BRP Sound System** from your device's Bluetooth menu. 3 beeps will indicate successful pairing.

When paired, select a playlist or other source of music from your smartphone.

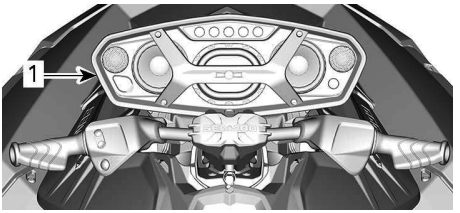
NFC Pairing Mode - To pair using the NFC, place your smartphone near the NFC logo on top of the unit.

Never pair a smartphone or change the playlist or music source on the device while driving or operating the vehicle.

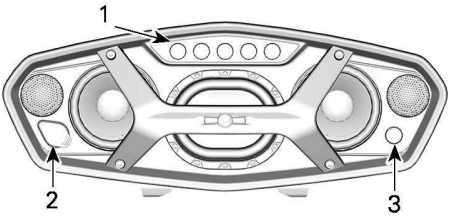
NOTE:
On applicable devices.

⚠ WARNING

Using a smartphone or trying to pair a device while driving can distract the driver from operating the watercraft. Always use buttons with caution and always stay alert on the water, keeping eye contact with your environment at all times.



1. Audio system



1. Key pad
2. Charging port
3. Vent port

1. Play/Pause/Power
2. Volume UP
3. Volume DOWN
4. Previous track
5. Next track

Play/Pause/Power - The Play/Pause/Power button gives you the ability to play or to pause the current track with a single press. Pressing the Play/Pause/Power button will turn the unit On if currently Off or holding the Play/Pause/Power button for 3 seconds will turn the unit Off if currently On. The unit will emit 4 small beeps to indicate when power is turned Off.

Volume Up and Volume Down - These buttons will turn up or turn down the output of the volume. When the unit has reached the minimum or maximum output level, the unit will beep to indicate that no further adjustment is possible.

Audio Controls		
State	**Audio Feedback**	**Visual Feedback**
Power ON	Fade in	White
Power OFF	Fade out	-
Pairing Mode	-	All buttons flashing white
Pairing Mode success	3 beeps	-
Max volume	1 long beep	-
Min volume	1 long beep	-
Paused	-	Play/Power button flashing white
Low battery	-	Play/Power button steady red
Charging	-	Play/Power button steady blue
Battery fully charged	-	Play/Power button steady white
Battery too low to power ON	-	Play/Power button flashing red 3 times
Battery level	-	0 to 20% : 1 button steady white
		21 to 40% : 2 buttons steady white
		41 to 60% : 3 buttons steady white
		61 to 80% : 4 buttons steady white
		81 to 100% : 5 buttons steady white

NOTE:
Power, Play/pause button flashing rapidly (red and blue) during 5 secs followed by a shutdown indicate the unit is not operating in appropriate temperature.

This system is completely self contained and has no electrical connection to the PWC. It needs to be

connected to a 110V household electrical outlet to be charged.

NOTICE

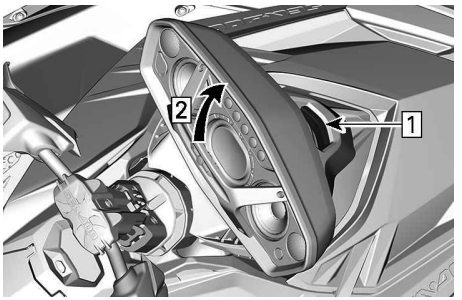
Use only the supplied charging adapter to charge the audio system.

Battery level: To show the battery level; hold both volume buttons simultaneously.

When not in use, the unit will shut down after 10 minutes.

To remove:

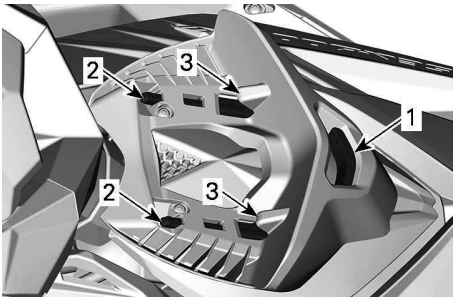
1. Push button
2. Lift handle



1. Push button
2. Lift handle

Installation

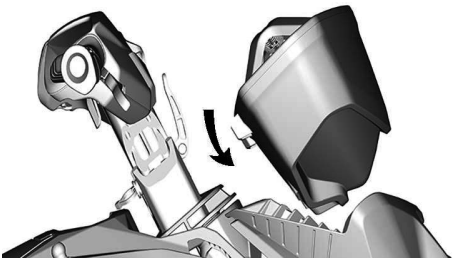
Before installing the radio, make sure the front and the sides of the latch on the vehicle move freely and return to their initial position.



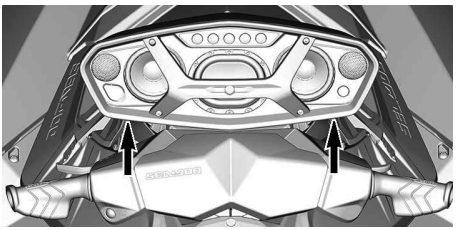
AUDIO SYSTEM LATCH

1. Front of latch
2. Sides of latch
3. Locking tabs

To install the radio, start by inserting the front locking tabs and then push downward to engage the latch completely.



Make sure the radio is properly installed and secure by pushing both sides upward.



⚠ CAUTION

Prolonged exposition to loud music can damage your hearing. Therefore, we suggest a 10 minutes break time every 45 minutes of listening.

BREAK-IN PERIOD

Operation During Break-In Period

A break-in period of 5 operating hours is recommended 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.

Boarding the Watercraft

As with any watercraft, boarding should be done carefully.

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

⚠ WARNING

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

Watercraft with iBR system

⚠ 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. Never use iBR gate as a supporting point to board the watercraft.

Boarding from a Dock

1. 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.
2. Then bring the other foot over the seat and place it on the other footboard.
3. Push the watercraft away from the dock.

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Boarding from Shallow Water

⚠ WARNING

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

1. Board the watercraft from either the side or the rear.
2. Ensure there is at least 90 cm (3 ft) of water underneath the lowest rear portion of the hull.

NOTE:
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.

F18L0XY

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.

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.

⚠ WARNING

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.

Operator Alone Without a Boarding Step

1. Using one hand, grab the rear handle.
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.

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

5. Sit astride the seat.

Operator Alone With a Boarding Step

1. Swim to the rear of the watercraft.
2. Using one hand, lower the boarding step.

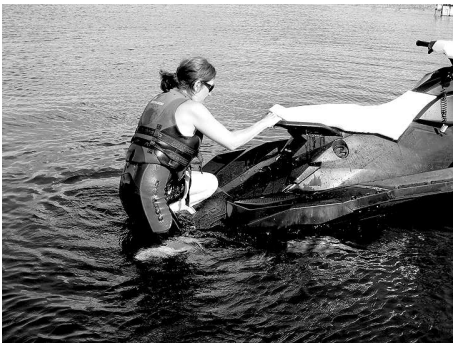
NOTICE

Never use propulsion system components to board. Only board the step with a knee, not a foot.

TYPICAL

3. Using the other hand, take hold of the edge of the boarding platform, then pull yourself up so that you can knee onto the boarding step.
4. 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 step.

5. Holding on to the handle behind the seat, step up onto the boarding platform.



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

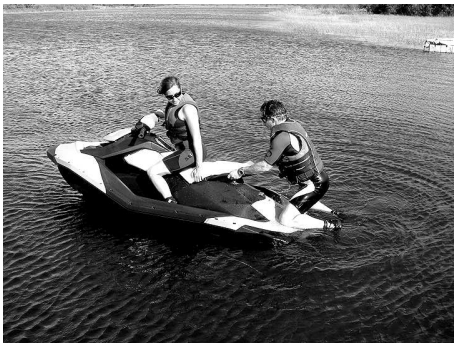
7. Sit astride the seat.

Operator with a Passenger

1. 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.

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



3. The passenger must sit astride the seat and maintain a firm grip of a handhold or the waist of the person in front of them.

How to Start the Engine

⚠ 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 propulsion system components may occur.

1. Attach the tether cord clip to your PFD or to the wrist (wrist strap required).

⚠ 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.

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.
5. 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.

6. 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.

Models Without iBR

⚠ WARNING

The engine must stop running for the watercraft to come to a full stop.

How to Steer the Watercraft

F18J09Y

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. You need to apply throttle to steer.

⚠ 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 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.

O.T.A.S.™ System (If Equipped) (Off-Throttle Assisted Steering)

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

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.

How to Engage Neutral (Models with iBR)

⚠ 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.

To engage neutral from forward position, tap the iBR lever.

To engage neutral from reverse position, release the iBR lever and throttle lever.

How to Engage Forward

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

Reverse can only be engaged between idle speed and the threshold forward speed of 7 km/h4 MPH.

1. Pull in the iBR lever at least 25% of the lever travel.
2. Release the iBR lever to end reverse operation.
3. Apply enough throttle to stop rearward movement.

⚠ WARNING

The brake function has no effect when travelling in reverse.

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.

Available engine power is limited in reverse mode, which limits reverse speed. However, speeds above 7 km/

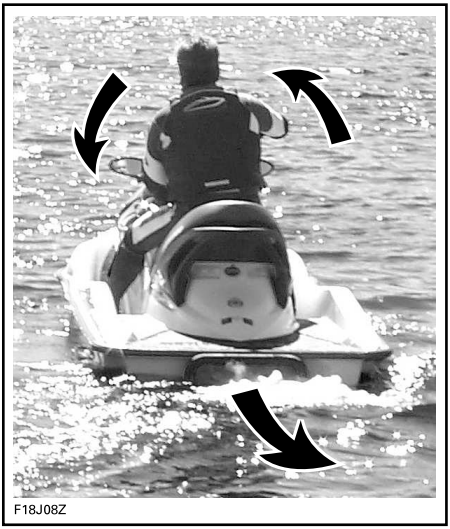
h4 MPH may be obtained in reverse depending on conditions.

⚠ 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).



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

⚠ 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 7 km/h4 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 should 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 7 km/h4 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 loose sight of your PWC.

⚠ WARNING

It is important to inform other operators who intends to follow in a convoy formation of the braking and maneuvering capability of your vehicle, what the plume of water indicates, and that a greater distance should be maintained.

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)

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.

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

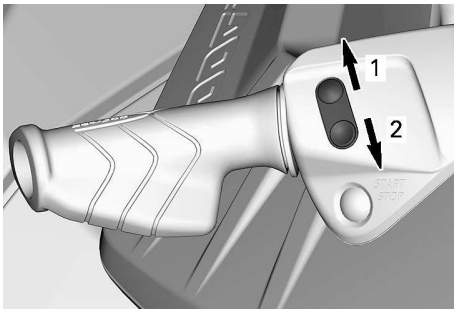
Manually Adjusting the VTS

Nine trim positions are available.

With the watercraft operating forward, proceed as follows:

Press and release the VTS UP or VTS DOWN button to move the VTS of one position.

If the VTS UP or VTS DOWN button is pressed and held, the pump nozzle will keep moving until the button is released.

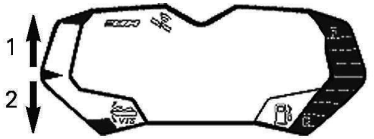


VTS CONTROL BUTTON

1. *Bow up*
2. *Bow down*

Pressing the VTS button with the engine OFF, will change the indication in the gauge but will not change the jet pump nozzle position. The nozzle will change position next time the engine is started and engaged in forward.

The VTS position is displayed on the multifunction gauge.



1. *VTS up display*
2. *VTS down display*

VTS Settings Guidelines	
Setting	**Use**
Center	Riding at high speeds
Down	Compensate load, obtain neutral attitude, reduce porpoising

VTS Settings Guidelines	
Setting	**Use**
Slightly up	Obtain neutral attitude
Up	Purposely raise the bow

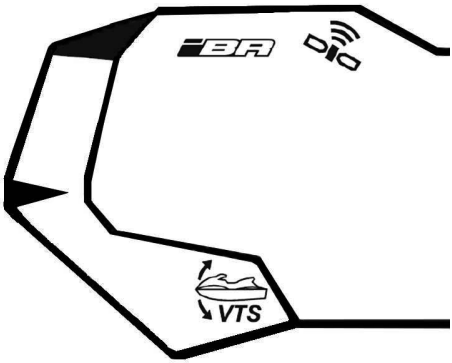
⚠ CAUTION

Riding at high speeds with the VTS at high settings can affect handling.

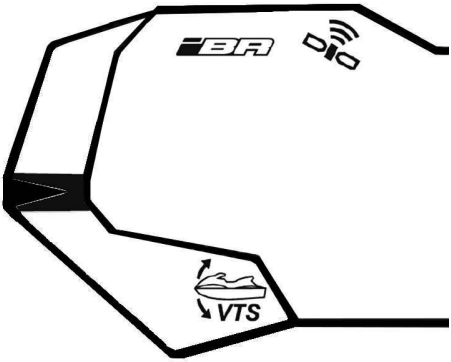
Using Preset Trim Positions

Three preset trim positions can be selected (full down, center and full up).

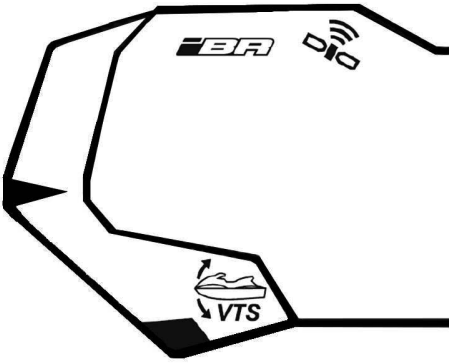
To select the highest trim position recorded, double-click on the VTS UP button (bow up).



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.

⚠ CAUTION

Riding at high speeds with the VTS at high settings can affect handling.

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 the 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

1. The operator must grip the handlebar firmly and keep both feet on the footboards.
2. The passenger must grip the handholds with both hands and keep both feet on the footboards.
3. Reduce speed.
4. Always be prepared to steer and maintain your balance as necessary.
5. When going over waves, raise your body slightly off the seat to absorb the shocks with your legs.
6. When crossing wakes, always keep a safe distance from watercraft ahead.

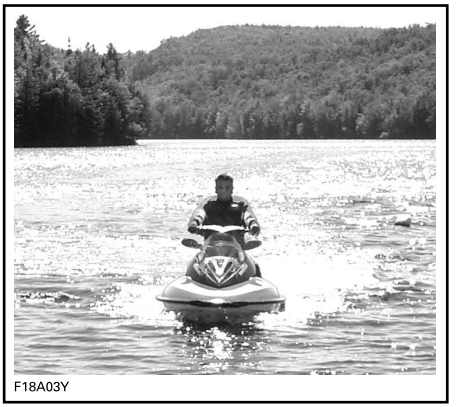
⚠ WARNING

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.



F18A03Y

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 loose sight of your PWC.

⚠ WARNING

It is important to inform other operators who intends to follow in a convoy formation of the braking and maneuvering capability of your vehicle, what the plume of water indicates, and that a greater distance should be maintained.

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.

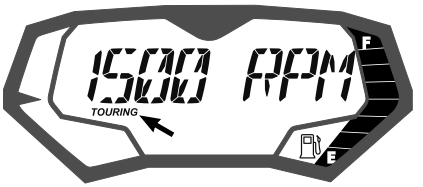
F18A03Y

OPERATING MODES (ROTAX 900 ACE - 90)

Touring Mode

By default, the watercraft is in TOURING mode of operation when first started.

A TOURING mode indicator is ON in the multifunction gauge to confirm the active mode of operation.



TOURING MODE INDICATOR

Sport Mode

When selected, SPORT MODE provides for instant throttle response and more rapid accelerations than TOURING MODE.

A SPORT mode indicator is ON in the multifunction gauge to confirm the active mode of operation.

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 TOURING MODE.

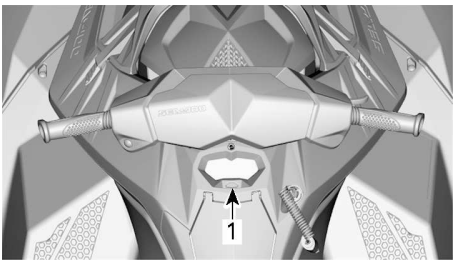
Activating Sport Mode

To activate sport mode, carry out the following:

⚠ WARNING

When activating sport mode, be sure to maintain situational awareness of other watercraft, obstacles, or persons in the water.

1. Start engine.
2. Depress and hold the MODE button for at least 3/4 of a second.



TYPICAL

1. Mode button

Two beeps will be heard and the following message will be displayed in the multifunction gauge:

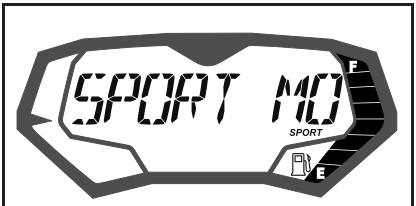
MESSAGE DISPLAYED
ENTERING SPORT MODE - INCREASED ACCELERATION - INSTRUCT PASSENGERS TO HOLD - PRESS_MODE_BUTTON

⚠ WARNING

Ensure passengers are advised that sport mode provides for increased accelerations and that they are to hold on tightly.

3. Press the MODE button again to acknowledge the message and activate sport mode.

   One beep will be heard and a scrolling SPORT MODE ACTIVATED message will momentarily confirm that sport mode has been activated.



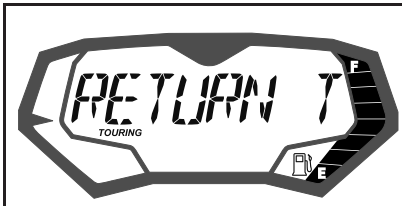
MESSAGE DISPLAYED
SPORT MODE ACTIVATED

NOTE:
After a few seconds, the gauge will revert to its normal display.

4. Ensure the SPORT mode indicator is turned on.

SPORT MODE INDICATOR

NOTE:
The SPORT mode indicator will come on and stay on as long as sport mode is active. If the throttle is not fully released and the engine is not at idle, SPORT mode cannot be activated. The following message will then appear in the multifunction gauge.



MESSAGE DISPLAYED
SPORT MODE - RETURN TO IDLE TO ACTIVATE

Release the throttle. Once the engine has returned to idle, SPORT mode will be activated.

Deactivating Sport Mode

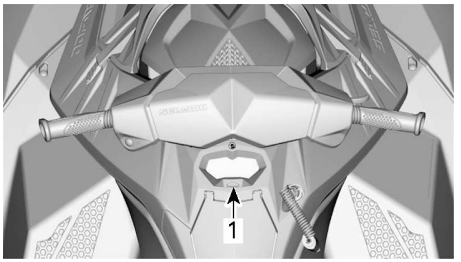
To deactivate sport mode, carry out the following:

⚠ WARNING

When deactivating sport mode, be sure to maintain situational awareness of other watercraft, obstacles, or persons in the water.

1. Depress and hold the MODE button for 3/4 of a second.

NOTE:
The following message will scroll in the multifunction display: SPORT MODE DEACTIVATED.



TYPICAL

1. MODE button

NOTE:
The following message will scroll in the multifunction display: SPORT MODE DEACTIVATED.

MESSAGE DISPLAYED
SPORT MODE DEACTIVATED

NOTE:
After a few seconds, the multifunction gauge will revert to its normal display.

2. Ensure the TOURING mode indicator is on.

TOURING MODE INDICATOR

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

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.

Models equipped with the iDF system

If the watercraft is equipped with the iDF system, use it now. Refer to *How to Use the intelligent Debris Free Pump System* in *Operating Instructions* section.

Models without iDF system

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

   If the aforementioned method does not work:
3. With engine running and before applying throttle, pull the iBR lever in to select reverse operation.
4. Vary throttle quickly several times.
5. Repeat procedure if necessary.

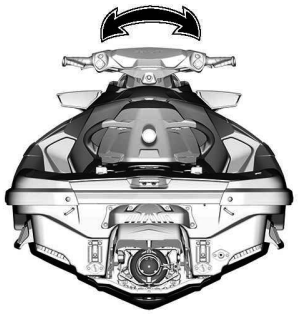
   If system is still blocked, move the watercraft out of the water for cleaning. Refer to *On-Beach Water Cleaning*.

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.

1. Place a cardboard or a carpet beside the watercraft to prevent scratching when turning the watercraft for cleaning.
2. Rotate the watercraft to any side for cleaning.



TYPICAL

3. If equipped, move the iBR to the forward position. Refer to *iBR Override Function* for detailed instructions.
4. 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.

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:

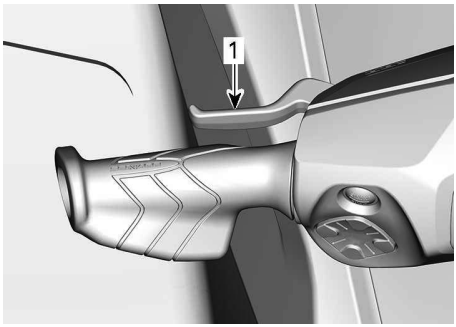
- **Remove tether cord from the engine cut-off switch.**
- **Wait at least 5 minutes.**
- **Do not press on START/STOP button. Should the START / STOP button be pressed, wait another 5 minutes.**

Activating iBR Override Function

1. Power up the electrical system by pressing the START/STOP button.
2. Install the tether cord on the engine cut-off switch.

NOTE: The tether cord must be installed to ensure the information center will not shut off all indications after its self test function. Electrical power will stay on for approximately 1 hour.

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

NOTICE

When the watercraft has been turned over 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.

⚠ WARNING

When watercraft is capsized, do not attempt to restart the engine. Operator and passengers should always wear approved personal flotation devices.

⚠ CAUTION

Heat exchanger in the hull may become very hot. Avoid any contact with the heat exchanger as burns may occur.

NOTE:
It is recommended to ride the vehicle for approximately 5 minutes with engine speed lower than 5000 RPM to evacuate any water that might have been accumulated in the bilge. Never exceed 5000 RPM. If not, water could get inside the engine.

Submerged Watercraft

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

1. Drain bilge.

2. 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.

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

NOTICE

Failure to have the engine properly serviced may cause severe engine damage.

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

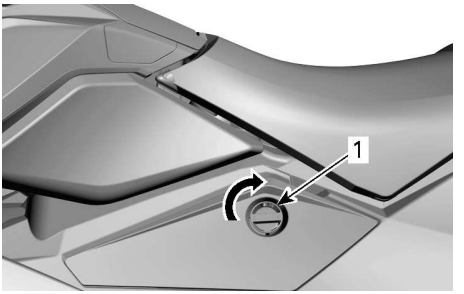
Failure to have the engine properly serviced may cause severe engine damage.

Towing the Watercraft in Water

The maximum recommended towing speed is 21 km/h (13 MPH).

If you have to tow the watercraft faster than the maximum recommended speed, clamp the water supply hose in the engine compartment.

To access the water supply hose, turn the LH access cover knob 1/4 turn clockwise, then pull out to unsnap the rear portion and slide rearward to remove.



LH ACCESS COVER

1. To unlock, turn the knob 1/4 turn clockwise

⚠ WARNING

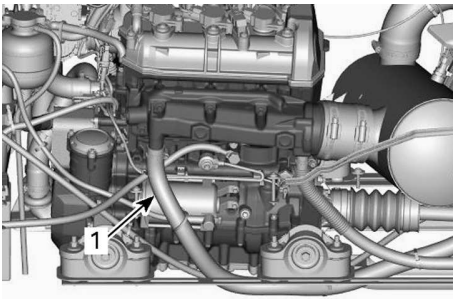
Some components in the engine compartment may be hot. To avoid injury, wait for engine to cool down.

⚠ CAUTION

Make sure the hose is properly clamped before towing the watercraft. If hose is not properly clamped when engine is not running, water will accumulate in the exhaust system, will enter the engine and cause damages.

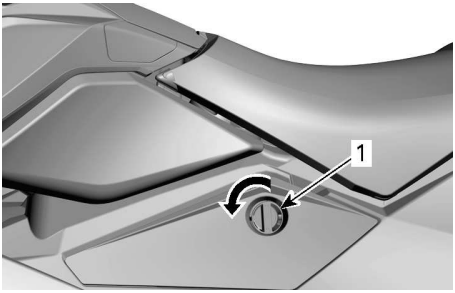
NOTICE

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 21 km/h (13 MPH).



1. Water supply hose

Reinstall the LH access cover in the reverse of the removal procedure and lock the knob by turning it 1/4 turn counterclockwise.



LH ACCESS COVER

1. To lock, turn the knob 1/4 turn counterclockwise

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MAINTENANCE INFORMATION

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.

Disregard the information pertaining to the following systems if the watercraft is not equipped with these features:

– iBR (intelligent Brake and Reverse)

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 anode
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 spark plugs and ignition coils
Inspect electrical connections and fastening (ignition system, starting system, fuel injectors, fuse boxes etc.)
Verify O.T.A.S. operation (if equipped)
Visually inspect impeller and boot
Visually inspect impeller and wear ring for deep scratches, nicks and grooves
Remove impeller cover and inspect for signs of water intrusion
Visually inspect condition of steering cable and connections
Visually inspect reverse gate bushing for excessive play (if equipped)
Inspect fuel cap, filler neck, fuel tank, fuel tank straps, fuel lines and connections for leaks
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)

Every 2 Years or 200 Hours of Operation (Whichever Comes First)
Replace spark plugs
Inspect flame arrestor
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	
Engine **Without** Supercharger	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**
Engine **With** Supercharger	Use a 5W40 4-stroke SAE motorcycle engine oil compatible with wet clutches 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. **JASO-MA2** **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.

NOTICE

Watercraft must be level.

⚠ CAUTION

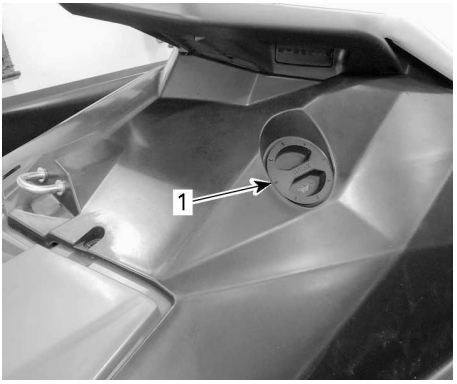
When operating the engine while the watercraft is out of water, the heat exchanger in the ride plate may become very hot. Avoid any contact with the ride plate as burns may occur.

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. With the engine already at normal operating condition, let engine **idle for 30 seconds** then stop engine.
4. Wait at least 30 seconds for the oil to settle in the engine.
5. To check level, remove access cover located on rear of RH side of watercraft by turning counterclockwise.

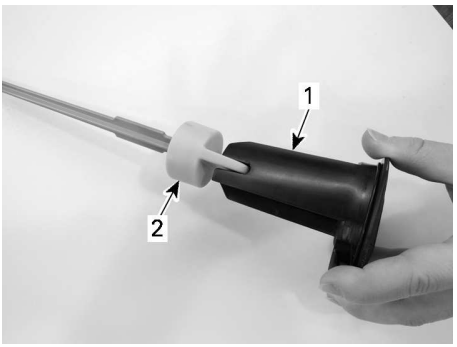


TYPICAL

1. RH access cover

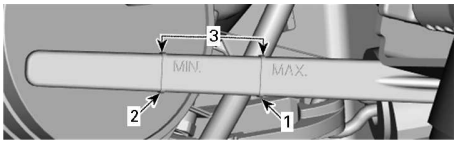
6. Unscrew dipstick, pull it out and wipe clean.

NOTE:
Inner side of RH access cover is equipped with an extension to facilitate dipstick unscrewing.



1. RH access cover - extension side
2. Dipstick

7. Reinstall dipstick, push in completely.
8. Remove dipstick again and read oil level. It should be between the MAX and MIN marks.



1. *Maximum*
2. *Minimum*
3. *Operating range*

9. Add oil to ensure the level is between marks as required.

NOTICE

Do not overfill.

To add oil:

- Place a funnel in the oil neck opening.
- Add the recommended oil to the proper level.

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.

10. Properly reinstall dipstick and RH access cover.

NOTICE

Ensure that oil filler cap is tighten 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

XPS Recommended Coolant
Extended life pre-mixed coolant
If the Recommended XPS Coolant is Not Available
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

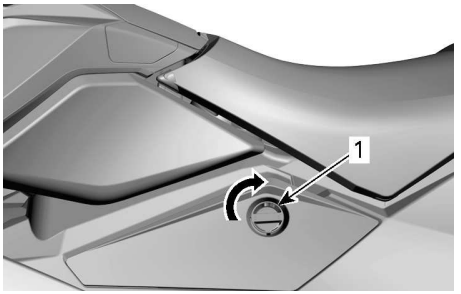
⚠ WARNING

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.

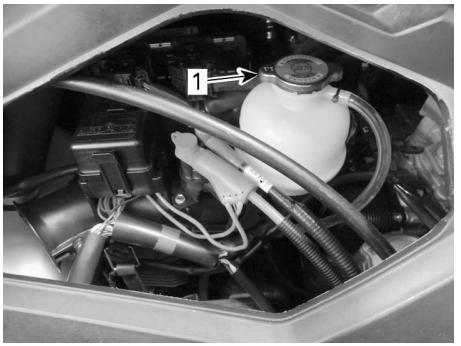
To access the expansion tank, turn the LH access cover knob 1/4 turn clockwise, then pull out to unsnap the rear portion and slide rearward to remove.



LH ACCESS COVER

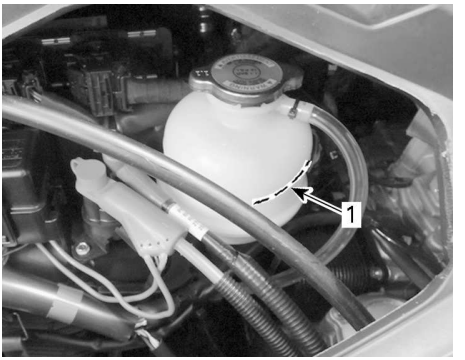
1. To unlock, turn the knob 1/4 turn clockwise

Locate the expansion tank cap.



1. Expansion tank cap

With watercraft on a level surface, add coolant until it is visible without exceeding the COLD level mark in coolant reservoir when engine is cold.

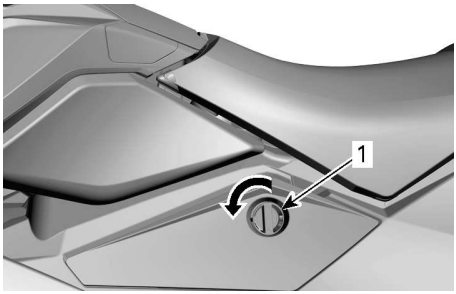


1. Cold level mark

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 reinstall and tighten expansion tank cap, then reinstall the LH access cover in the reverse of removal procedure and lock the knob by turning it 1/4 turn counterclockwise.



LH ACCESS COVER

1. *To lock, turn the knob 1/4 turn counterclockwise*

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

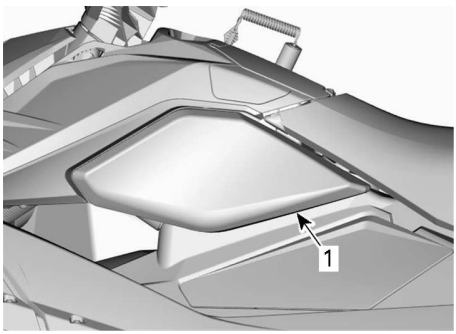
Engine Coolant Replacement

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

Steering Alignment

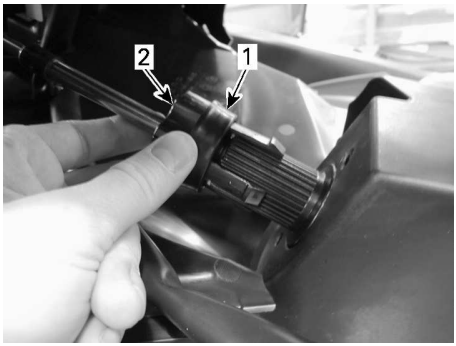
1. Manually release and remove the LH side knee pad.

NOTE:
This area is intended only to access the steering cable assembly. Do not use this area for storage purposes.



1. *LH Side knee pad*

2. Unclip the steering cable by pushing the ring up towards the nut.



STEERING CABLE UNCLIPPED

1. *Ring*
2. *Nut*

3. Put the jet pump nozzle in straight position.
4. Unscrew nut to turn handlebar to the right.
5. Screw nut to turn handlebar to the left.
6. When steering alignment is complete, clip the steering cable by pushing the ring back down and reinstalling the LH side knee pad.

Central Body

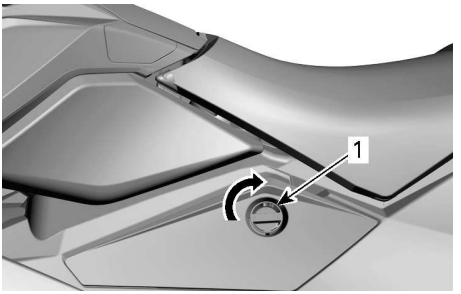
Central Body Removal

When necessary, remove the central body as follows:

⚠ WARNING

Never attempt to lift the central body alone. Lift only with assistance or use an appropriate lifting device. Lifting alone can cause serious injury.

1. Turn the LH access cover knob 1/4 turn clockwise, then pull out to unsnap the rear portion and slide rearward to remove.



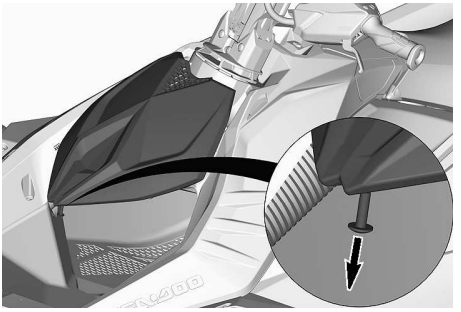
LH ACCESS COVER

1. To unlock, turn the knob 1/4 turn clockwise

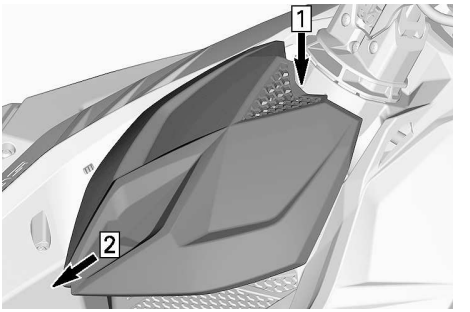
2. Disconnect the steering connector.

1. Connector

3. Remove the front trim retaining screw.

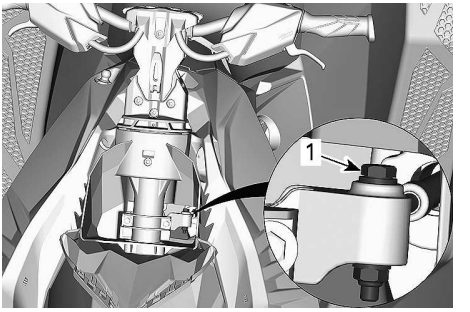


4. Remove the front trim.



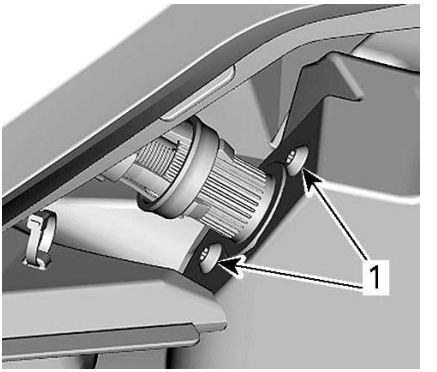
1. Push tab
2. Slide towards front

5. Disconnect the steering cable.



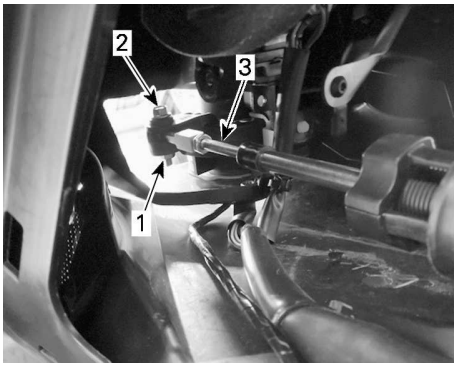
1. Steering cable retaining bolt

6. Remove two screws from the cable assembly.



1. Cable assembly screws

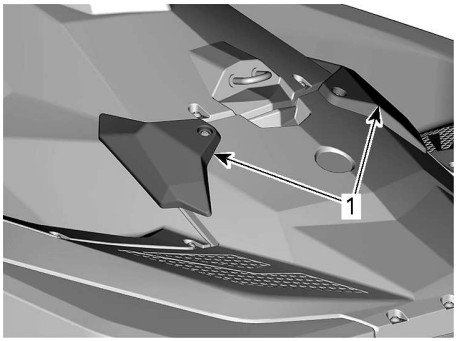
7. Remove nut, bolt, and washer to disconnect rod from steering column.



1. *Nut and washer*
2. *Bolt*
3. *Rod*

All Models Except Trixx Models

8. Remove two self-tapping screws from each rear panel trim at rear of vehicle.
9. To remove the rear panel trims, slide trims towards the outside of PWC.

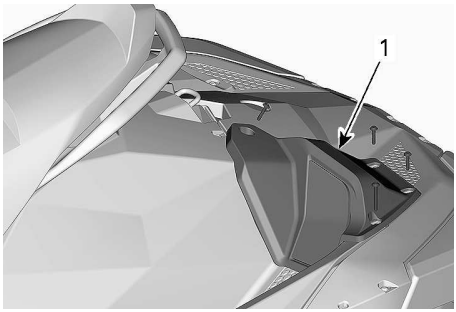


TYPICAL

1. *Rear panel trims*

Trixx Models

10. Remove both rear footrests.

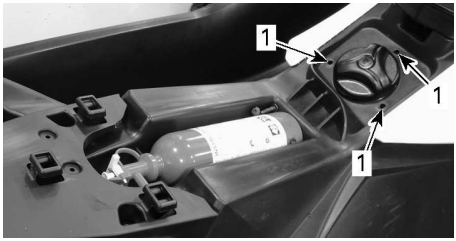


LH SHOWN

1. *Footrest*

All Models

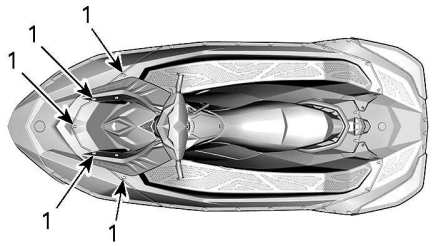
11. Remove seat. Refer to *Seat* in *Equipment*.
12. Remove three self-tapping screws around the fuel cap



1. *Screws*

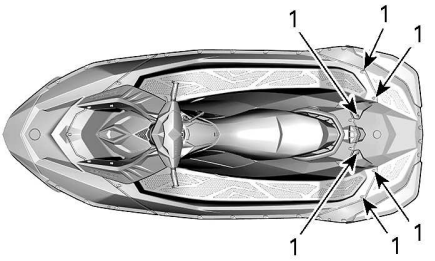
13. Remove five self-tapping screws at front of central body.

NOTE:
If equipped with a storage bin, open the storage bin first. Refer to *Storage Bin*.



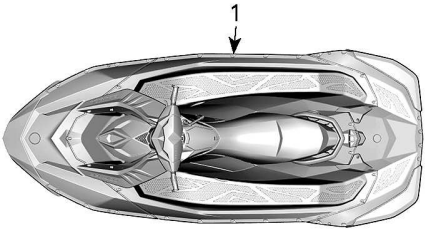
1. *Self-tapping screws*

14. Remove six self-tapping screws at rear of central body.



1. Self-tapping screws

15. Remove ten M6 nuts and screws from both sides of central body.



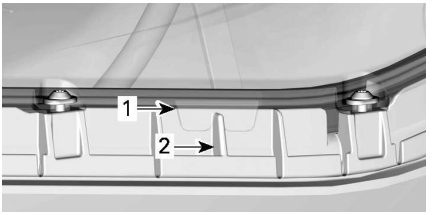
1. Nuts and screws

16. Carefully lift the central body off the hull using a lifting belt.

NOTE:
When lifting central body, wrap belt around handlebars. Wrapping belt elsewhere on central body to lift it may cause damages.

Central Body Installation

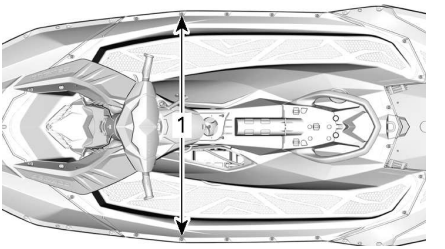
1. Properly place central body alignment tabs on hull.



CENTRAL BODY - STARBOARD SIDE VIEW

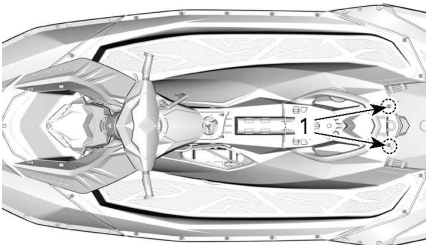
1. Grooved alignment tab on central body
2. Rib in hull

2. Install screws adjacent to alignment tabs first to ensure alignment tabs remain properly engaged.



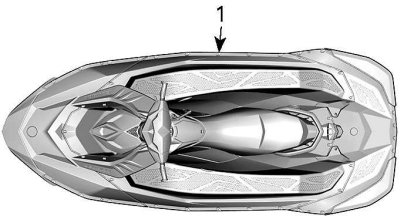
1. Screws adjacent to alignment tabs

3. Install two screws on rear support.



1. Screws on rear support

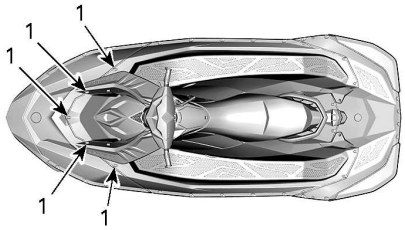
4. Install screws and tighten nuts on both sides of central body to the recommended torque.



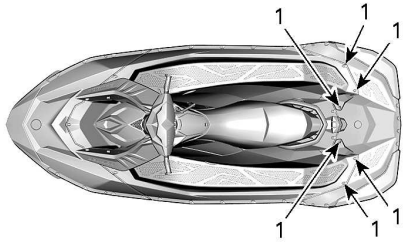
1. Nuts and screws

Tightening Torque	
M6 nuts	3.5 ± 0.5 Nm (31 ± 4 lbf-in)

5. Install and tighten screws on front and rear of central body to the recommended torque.



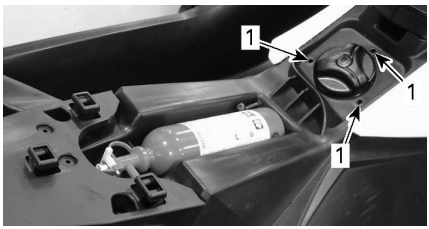
1. Self-tapping screws



1. Self-tapping screws

Tightening Torque	
Self-tapping screw	5.5 ± 0.5 Nm (49 ± 4 lbf-in)

6. Install and tighten self-tapping screws around the fuel cap to the recommended torque.



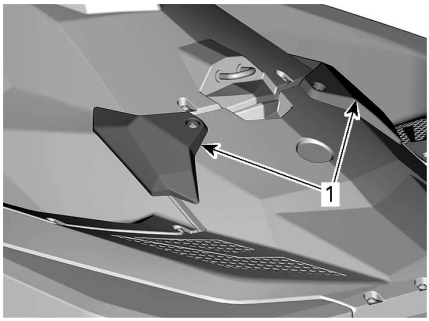
1. Screws

Tightening Torque	
Self-tapping screw	4.5 ± 0.5 Nm (40 ± 4 lbf-in)

7. Reinstall the seat. Refer to *Seat* in *Equipment*.

All Models Except Trixx Models

8. Position rear panel trims in place by sliding towards the inside of PWC and install self-tapping screws. Tighten to the recommended torque.



TYPICAL

1. Rear panel trims

Trixx Models

9. Install the rear footrests.

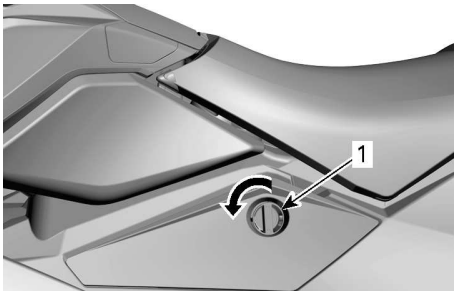
All Models

Tightening Torque	
Self-tapping screw (footrests or rear panel trims)	5.5 ± 0.5 Nm (49 ± 4 lbf-in)

10. Connect the steering connector.

1. Connector

11. Connect steering cable in reverse of removal procedure.
12. Close the LH access cover and lock the knob by turning it 1/4 turn counterclockwise.



LH ACCESS COVER

1. *To lock, turn the knob 1/4 turn counterclockwise*

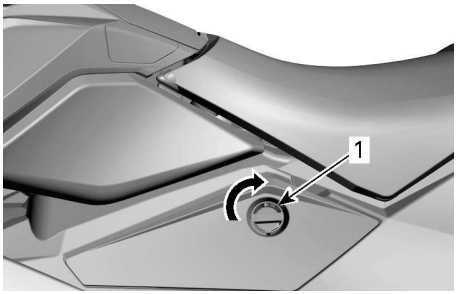
13. Install the front trim.

Tightening Torque	
Front trim retaining screw	3.5 ± 0.5 Nm (31 ± 4 lbf-in)

Battery

Battery Access

Turn the LH access cover knob 1/4 turn clockwise, then pull out to unsnap the rear portion and slide rearward to remove.



LH ACCESS COVER

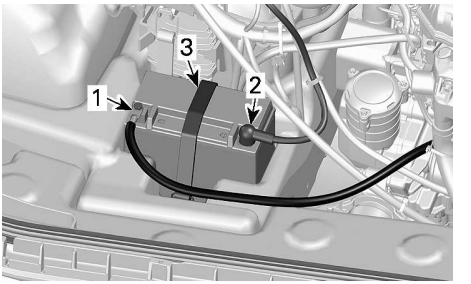
1. *To unlock, turn the knob 1/4 turn clockwise*

Battery Removal

⚠ WARNING

The BLACK (-) battery cable must always be disconnected first and reconnected last. Never charge or boost battery while installed in watercraft.

1. Disconnect the BLACK (-) battery cable.
2. Slide the RED rubber protector off the RED (+) cable terminal and disconnect it from the battery post.
3. Reinstall bolts to secure retaining nuts during removal.
4. Detach retaining strap.



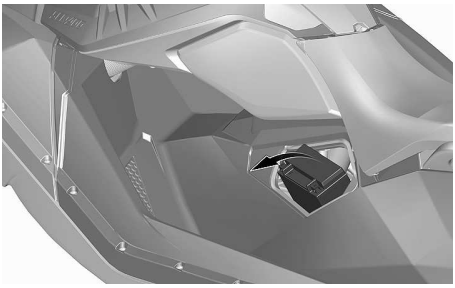
CENTRAL BODY REMOVED FOR CLARITY PURPOSE

1. *BLACK (-) cable*
2. *RED (+) cable*
3. *Retaining strap*

5. Remove battery from vehicle.

NOTICE

Should any electrolyte spillage occur, immediately wash off area with a solution of baking soda and water, then rinse thoroughly.



Battery Cleaning

Clean the battery casing, cables and battery posts using a solution of baking soda and water.

Remove corrosion from battery cable terminals and battery posts using a firm wire brush.

Battery top should be cleaned with a soft brush and any grease-cutting soap or baking soda solution.

Rinse with clear water then dry well.

Battery Inspection

Visually inspect battery casing for cracks, leaks or other possible damages.

Discoloration, warping or raised top, indicates that the battery has overheated or been overcharged.

If the casing is damaged, replace battery and thoroughly clean battery tray and surrounding area with a water and baking soda solution.

⚠ CAUTION

Should the battery casing be damaged, wear a suitable pair of non--absorbent gloves when removing the battery by hand.

Inspect the battery posts for security of mounting.

Battery Storage

NOTICE

Battery storage is critical for battery life. Regularly charging the battery during storage will prevent cell sulfation. Keeping the battery in vehicle for storage may lead to contacts degradation/corrosion and case damage if freezing occurs. A discharged battery will freeze and crack in areas where freezing conditions are experienced. Electrolyte leakage will damage surrounding parts. Always remove battery from vehicle for storage and regularly recharge it to keep an optimal condition.

Clean battery terminals and cable connections using a wire brush.

Apply a light coat of dielectric grease on terminals.

Clean battery casing using a solution of baking soda and water.

Rinse battery with clear water and dry well using a clean cloth.

Store battery in a cool dry place. Such conditions reduce self-discharging and keep fluid evaporation to a minimum. Keep battery away from dew, high moisture and direct sunlight.

Recharge frequency depends on battery condition and storage temperature. Maintain battery as per following table.

NOTE:
The battery must always be stored in fully a charged state.

Ambient Temperature	Charging Frequency
Below 16 °C (60 °F)	Every month
Above 16 °C (60 °F)	Every 2 weeks

Charging a Battery

⚠ WARNING

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

⚠ WARNING

Always wear safety glasses and charge the battery in a ventilated area. Do not open the sealed caps during charging. Do not place battery near an open flame.

NOTICE

If the battery becomes hot to the touch, stop charging and allow it to cool before continuing.

NOTE:
Sealed VRLA batteries have an internal safety valve. If battery pressure increases due to overcharging, the valve opens to release excess pressure, preventing battery damage.

Carry out a battery *Unloaded Voltmeter Test* as described in this section, then proceed as described here.

An automatic charger is the fastest and most convenient way for error--proof charging.

When using a constant current charger, charge battery according to the chart below.

Battery Voltage Below 12.8 V and Above 11.5 V

YTX20L-BS	Time	Charge
Standard Charging (recommended)	4 - 9 hours	2 A
Quick Charging	50 mi nutes	10 A

Battery Voltage Below 11.5 V

A battery with a voltage below 11.5 V requires a special procedure to recharge. In charging an over discharged battery, its internal resistance may be too high to charge at a normal charging rate.

Set charger to the 10 A charging rate and monitor charging current for approximately 30 minutes. If there is no change in charging current or battery becomes abnormally hot, the battery is most likely at the end of its service life and should be replaced.

Battery Installation

1. Install the battery in the watercraft and secure it using retaining strap.

⚠ WARNING

The BLACK (-) battery cable must always be disconnected first and reconnected last. Never charge or boost battery while installed in watercraft.

2. Connect RED (+) cable.
3. Connect BLACK (-) cable last.
4. Apply dielectric grease on battery posts.
5. Verify cable routing and attachments.
6. Install remaining removed components.

Battery Maintenance

These batteries require little maintenance to perform perfectly. Follow this simple check list for optimum battery performance:

– Check voltage every 3 months using a voltmeter.
– Keep a battery fully charged to 100% (12.8 V or higher after standing 2 hours).
– Check and charge battery if the voltage drops below 12.5 V.
– Keep the battery top free of grime.
– Clean terminals and connectors if necessary.
– For storage, pull battery or disconnect battery cables.

Ignition Coils

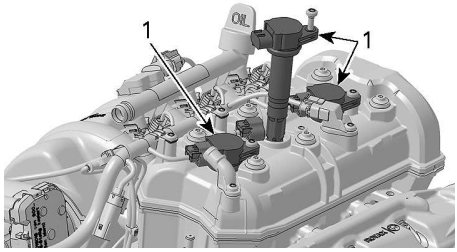
Ignition Coil Removal

1. To access the ignition coils, remove the central body. Refer to *Central Body Removal* section.

NOTICE

Do not remove the ignition coil before disconnecting the input connector or the wires may be damaged. Do not pry on ignition coil using any tool.

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



1. Ignition coils

Ignition Coil Installation

1. Align the retaining screw hole of the ignition coil with the threaded hole on the valve cover.
2. Install the ignition coil on the spark plug and push it all the way down until it rests on the valve cover.
3. Install the retaining screw and tighten to specification below.

Tightening Torque	
Ignition coil retaining screw	11 Nm (97 lbf-in)

4. Connect ignition coil connector.

Spark Plugs

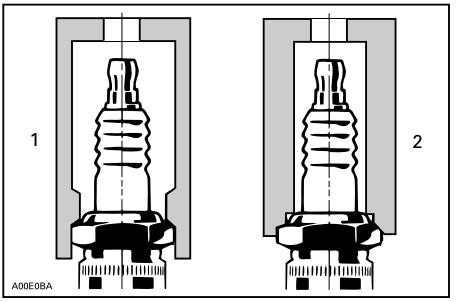
Spark Plug Removal

1. Disconnect the ignition coil input connector.
2. 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.

3. Using a spark plug socket, release the torque applied to the spark plug.



1. Approved socket
2. Improper socket

4. Clean the spark plug and cylinder head with pressurized air.
5. Unscrew spark plug then use the ignition coil to take spark plug out of spark plug hole.

Spark Plug Installation

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

⚠ WARNING

Do not adjust gap on this type of spark plug. The adjustment could weaken negative electrodes which may lead to electrode breaking and severe engine damage.

1. Using a wire feeler gauge, check electrode gap as specified in *Technical Specifications*.
2. Apply anti-seize lubricant over the spark plug threads to prevent possible seizure.
3. Hand screw spark plug into cylinder head. Then, tighten the spark plug clockwise to the specified torque with an approved spark plug socket.

Tightening Torque	
Spark plug NGK CR8EB (or equivalent)	13 ± 1 Nm (115 ± 9 lbf-in)

4. Install ignition coil. Refer to *Ignition Coil Installation*.
5. Reinstall the central body. Refer to *Central Body Installation* section.

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.

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.

NOTE:
Repeat the flushing procedure on the starboard side of the stern when vehicle was used in water where there were long debris such as plants, algae, and seaweed.

⚠ 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.

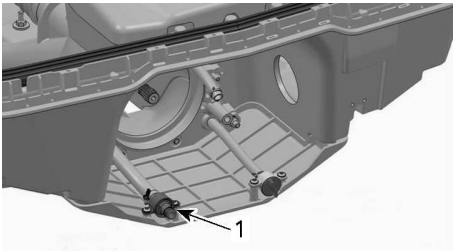
Clean propulsion system by spraying water in its inlet and outlet and then

apply a coating of XPS Lube or equivalent.

⚠ 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 the connector located at the rear of watercraft (on the port side of the stern). Do not open water tap at this time.

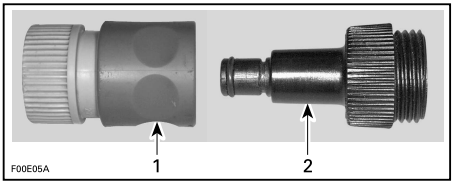


JET NOZZLE REMOVED FOR CLARITY

1. *Flushing connector location (with optional hose adapter shown)*

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

Recommended Tool	
Flushing connector adapter 295 500 473	



1. *Quick connect adapter*
2. *Flushing connector adapter*

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).

Heat Exchanger and Water Intake Grate

Heat Exchanger and Water Intake Grate Inspection

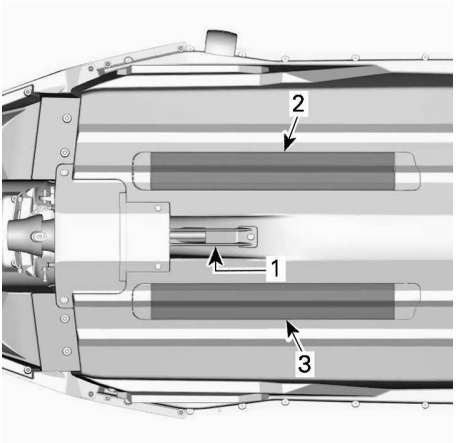
Inspect ride plate and jet pump water intake grate for damage. See your

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.

NOTE:
There is a reinforcement plate on LH side of hull to maintain symmetry so the hydrodynamics of PWC is not affected.

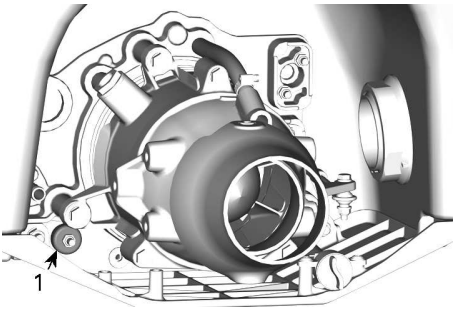


1. *Water intake*
2. *Heat exchanger*
3. *Reinforcement plate*

Sacrificial Anode

Sacrificial Anode Inspection

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



1. *Sacrificial anode location*

Sacrificial Anode Removal

Unscrew sacrificial anode retaining nut and remove anode.

Sacrificial Anode Installation

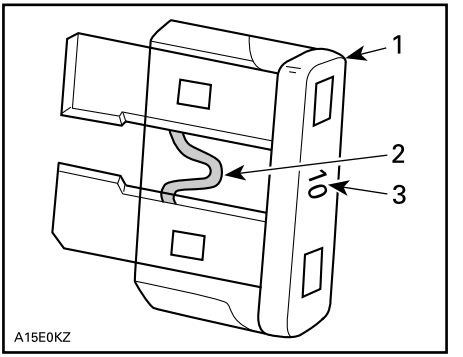
Installation is the reverse of the removal procedure.

Tightening Torque
9 ± 1 Nm (80 ± 9 lbf-in)

Fuses

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*

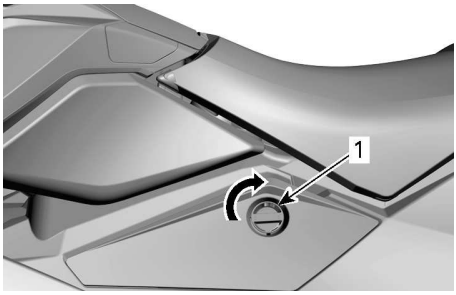
NOTICE

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, turn the knob 1/4 turn clockwise, then pull out to unsnap the rear portion and slide rearward to remove.

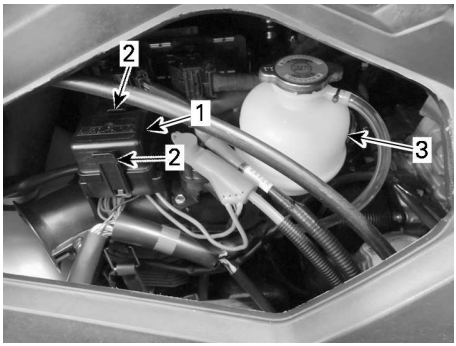


LH ACCESS COVER

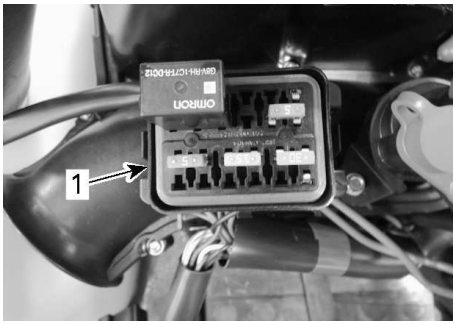
1. To unlock, turn the knob 1/4 turn clockwise

The fuse box is located to the left of the expansion tank.

To remove the fuse box cover, squeeze and hold locking tabs on both sides of the fuse box and pull the cover off the fuse box.



1. Fuse box cover
2. Locking tabs
3. Expansion tank

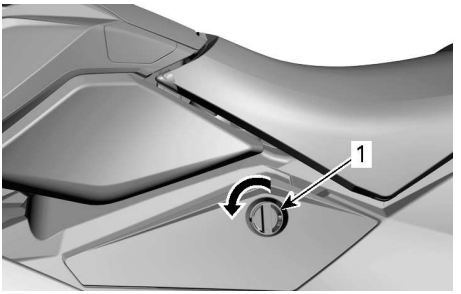


TYPICAL - FUSE BOX COVER REMOVED

1. Fuse box

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

To reinstall the fuse box cover and the LH access cover, do the reverse of the removal procedure and lock the knob by turning it 1/4 turn counterclockwise.



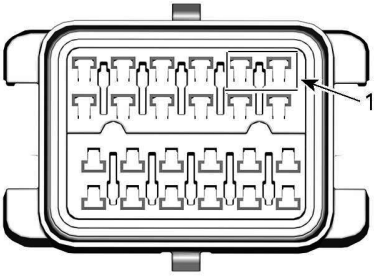
LH ACCESS COVER

1. *To lock, turn the knob 1/4 turn counterclockwise*

Fuse Description

Fuse	Rating	Description
1	10 A	ECM, Cluster, Starter Solenoid, O.T.A.S. (if equipped) and CAPS
2	5 A	Engine START/ STOP button
3	15 A	Battery
4	30 A	Charge
5	30 A	iBR
*	3 A	Bilge pump (if equipped)

* The bilge pump fuse is located above the #1 ACC (10 A) fuse.



1. *Bilge pump fuse location (If equipped)*

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 anti-corrosion 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.

Seat Cleaning

Before applying a cleaning product on the seat, try removing marks with a white eraser.

Many marks, as shoes marks, can be removed easily with this method.

Body and Hull

Repair

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

Cleaning

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

Remove marine organisms from the inside and outside of the hull.

NOTICE

Never clean using the following products:

- **BRP Heavy Duty Cleaner**
- **Strong detergent**
- **Degreasing agent**
- **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.

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.

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

⚠ 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.

Rinse the jet pump by spraying water through its inlet and outlet openings.

Spray an anti-corrosive product on the propulsion system pars.

Service Product
Lubricant and anti-corrosive or equivalent

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

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* section.

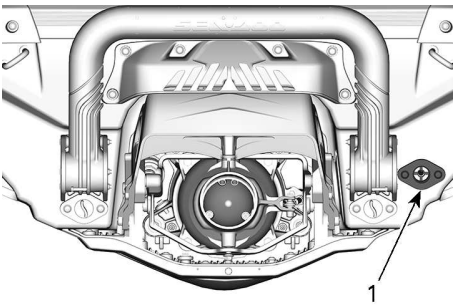
Engine Oil and Filter Replacement

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

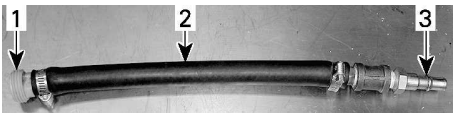
In areas where temperature may freeze, water trapped in the exhaust system and intercooler must be removed.

Using the flushing connector, inject pressurized air at 379 kPa (55 lbf/in²) 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 seat(s).
2. Remove spark plugs. Refer to *Maintenance Procedures* section.
3. By the spark plug holes, lubricate each cylinder.

Service Product
Lubricant and anti-corrosive or equivalent

4. Fully depress the throttle lever. Depressing the throttle lever will prevent fuel from being injected and to disable the ignition during engine cranking.
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* section.
7. Install the ignition coils. Refer to *Maintenance Procedures* section.

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. Refer to *Maintenance Schedule*.

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

1. Clean the bilge with hot water and detergent or with bilge cleaner.
2. Rinse thoroughly.
3. 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.

Lubricate all metallic components in engine compartment.

Service Product
Lubricant and anti-corrosive or equivalent

NOTE:
The LH access panel and RH access cover should be left partially open during storage. This will prevent engine compartment condensation and possible corrosion.

Body and Hull

Repair, clean and protect the watercraft as per procedures in *Watercraft Care* section.

Preseason Preparation

Maintenance preparation must be performed in conjunction with *Maintenance Schedule*.

Ensure to perform all tasks included in the **Every Year or 100 Hours** 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 engraved on the right hand side of the hull at the rear of watercraft, above the front of the sponson.

TYPICAL

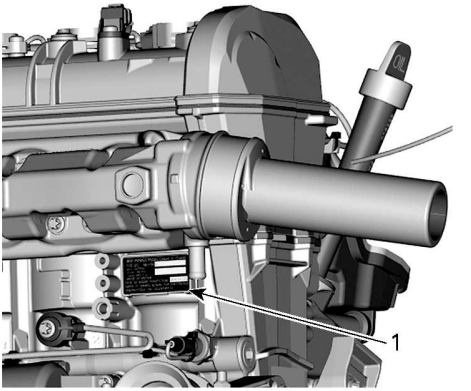
1. Hull Identification Number (HIN)

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

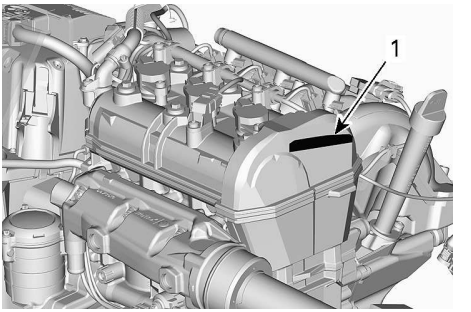
The Engine Identification Number (EIN) is located under the exhaust manifold, close to cylinder number one.



TYPICAL

1. Engine Identification Number (EIN)

Engine Manufacturer Identification



1. Engine Manufacturer Identification

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-1001002222

FCC ID: 2ACER-1001002222

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS (s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage;

(2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radio Equipment Directive (RED)	2014/53/EU
Article 3.1a	Safety and health IEC 62368-1:2014

Article 3.1b	EMC CISPR 25:(2016); conducted emission CISPR 25:(2016); radiated emission ISO 11452-2 (2004); radiated electromagnetic field immunity
Article 3.2	Spectrum usage efficiency ETSI EN 300 330 V2.1.1 (2017-2)

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’s 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

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).

EAC DECLARATION OF CONFORMITY

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EC-DECLARATION OF CONFORMITY

565 de la Montagne Street
Valcourt (Québec) J0E 2L0
Canada

ADVENTURE BY DESIGN

Declaration of Conformity for Sea-Doo Personal Watercraft with the requirements of Directive 2013/53/EU

Manufacturer: Bombardier Recreational Products Inc.
Address: 565 de la Montagne, Valcourt, J0E 2L0, Canada

Authorised Representative: BRP Europe N.V.
Address: Skaldenstraat 125, Gent, 9042, Belgium

Notified Body for noise emission assessment:
International Marine Certification Institute
Address: Rue Abbe Cuypers 3, Brussels, B-1040, Belgium.
ID Number: 0609

Notified Body for exhaust emission assessment:
International Marine Certification Institute
Address: Rue Abbe Cuypers 3, Brussels, B-1040, Belgium.
ID Number: 0609

Assessment Module of construction: A ☒ , of noise emission: Aa/A1 ☒ , of exhaust emission: B+C ☒

Other Community Directives applied: RED 2014/53/EU (EN 300 330-2, EN 60950-1) , EMC 2014/30/EU

Engine combustion cycle: 2 stroke ☐, 4 stroke ☒	Design and construction	ISO 13590:2003, ISO 10087:2019
Engine fuel type: Petrol: ☒, Diesel: ☐	Exhaust emission	ISO 18854:2015
Craft Design Category: C ☒, D ☐	Noise emission	ISO 14509-1:2008
Craft Trademark : Sea-Doo	Electromagnetic Compatibility	EN 55012:2007/A1:2009, EN 61000-6-1:2007

Sea-Doo PWC model	Propulsion engine	Exhaust emission certificate	Engine displ. (cm^3)	Rated Power (kW)	Noise emission certificate	# of persons	Length of hull	Width of hull
FishPro SCOUT 130	Rotax 1630 ACE-130	EXBORP009	1630,5	100	SDBORP014	3	3,27	1,23
FishPro SPORT 170	Rotax 1630 ACE-170	EXBORP009	1630,5	125,03	SDBORP013	3	3,64	1,25
FishPro TROPHY 170	Rotax 1630 ACE-170	EXBORP009	1630,5	125,03	SDBORP013	3	3,64	1,25
GTI 130	Rotax 1630 ACE-130	EXBORP009	1630,5	100	SDBORP014	3	3,27	1,23
GTI 90	Rotax 900 ACE-90	EXBORP004	899,3	66,19	SDBORP014	3	3,27	1,23
GTI SE 130	Rotax 1630 ACE-130	EXBORP009	1630,5	100	SDBORP014	3	3,27	1,23
GTI SE 170	Rotax 1630 ACE-170	EXBORP009	1630,5	125,03	SDBORP014	3	3,27	1,23
GTR 230	Rotax 1630 ACE-230	EXBORP010	1630,5	169,16	SDBORP014	3	3,27	1,23
GTX 170	Rotax 1630 ACE-170	EXBORP009	1630,5	125,03	SDBORP013	3	3,35	1,25
GTX 230	Rotax 1630 ACE-230	EXBORP010	1630,5	169,16	SDBORP013	3	3,35	1,25
GTX Limited 300	Rotax 1630 ACE-300	EXBORP006	1630,5	217	SDBORP013	3	3,35	1,25
GTX PRO 130	Rotax 1630 ACE-130	EXBORP009	1630,5	100	SDBORP013	3	3,35	1,25
RXP-X RS 300	Rotax 1630 ACE-300	EXBORP006	1630,5	217	SDBORP015	2	3,27	1,22
RXT-X RS 300	Rotax 1630 ACE-300	EXBORP006	1630,5	217	SDBORP013	3	3,35	1,25
SPARK 2up	Rotax 900 ACE-60	EXBORP004	899,3	44,13	SDBORP010	2	2,77	1,17
SPARK 2up	Rotax 900 ACE-90	EXBORP004	899,3	66,19	SDBORP010	2	2,77	1,17
SPARK 2up TRIXX	Rotax 900 ACE-90	EXBORP004	899,3	66,19	SDBORP010	2	2,77	1,17
SPARK 3up	Rotax 900 ACE-90	EXBORP004	899,3	66,19	SDBORP010	3	3,02	1,18
SPARK 3up iBR	Rotax 900 ACE-90	EXBORP004	899,3	66,19	SDBORP010	3	3,02	1,18
SPARK 3up TRIXX	Rotax 900 ACE-90	EXBORP004	899,3	66,19	SDBORP010	3	3,02	1,18
WAKE 170	Rotax 1630 ACE-170	EXBORP009	1630,5	125,03	SDBORP014	3	3,27	1,23
WAKE PRO 230	Rotax 1630 ACE-230	EXBORP010	1630,5	169,16	SDBORP013	3	3,35	1,25

This declaration of conformity is issued under the sole responsibility of the personal watercraft manufacturer. I declare on behalf of the above personal watercraft manufacturer that the **model year 2022** watercraft models and engines mentioned above which are CE marked comply with all applicable requirements in the way specified and are in conformity with the type for which above mentioned EU type-examination certificate(s) has(have) been issued.

Name & function : Martin Lachance

Signature and title: Director, Product Development, Sea-Doo

Martin Lachance (Apr 29, 2021 22:22 EDT)

Date (yr/month/day) : 2021/04/29, Valcourt, QC, Canada

Apr 29, 2021

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TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS

Engine		
Type		Rotax 903
Model		Rotax 900 ACE - 60 Rotax 900 ACE - 90
		4-stroke, Double Over Head Camshaft (DOHC), dry sump, liquid cooled
Declared Power(1)	Rotax 900 ACE - 60	44.13 kW @ 7000 RPM
	Rotax 900 ACE - 90	66.19 kW @ 8000 RPM
Induction		Naturally-aspirated
Number of cylinders		3
Number of valves		12 valves (self adjusting hydraulic valve lifters)
Bore		74 mm (2.9 in)
Stroke		69.7 mm (2.7 in)
Displacement		899.31 cm³ (54.88 in³)
Compression ratio		11.0:1
Cooling System		
Type		Closed-loop cooling system (CLCS)
Fuel System		
Fuel injection type		Multipoint fuel injection with iTC (intelligent Throttle Control). Single throttle body (46 mm) with actuator
Electrical System		
Ignition		IDI (inductive discharge ignition)
Spark plug	Make and type	NGK CR8EB or equivalent
	Gap	0.70 to 0.80 mm (.028 to .031 in)

Battery			12 V
Propulsion			
Propulsion system			Sea-Doo® jet pump
Jet pump	Type		Axial flow, single stage. Large hub with double row ball bearings
	Material		Aluminum
Impeller			Stainless steel
Transmission	Type		Direct drive
Dimensions			
Length	2-UP		279 cm (110 in)
	3-UP		305 cm (120 in)
Width			118 cm (46.4 in)
Height	All Except Trixx Models		104.5 cm (41.1 in)
	Trixx Models		107 cm (42.1 in)
Weight and Loading Capacity			
Weight (dry)	Spark 900 ACE - 60	2-UP	186 kg (410 lb)
	Spark 900 ACE - 90	2-UP	192 kg (423 lb)
		3-UP	193 kg (425 lb)
	Spark Trixx	2-UP	194 kg (428 lb)
		3-UP	199 kg (439 lb)
Rider capacity	2-UP models		2 (refer to load limit)
	3-UP models		3 (refer to load limit)
Storage capacity	Storage bin (Convenience Package)		27 l (7 gal(liq.,US))

	Glove box	1.6 l (.42 gal(liq.,US))
	Rear under-seat storage compartment (3-UP models)	0.5 l (.13 gal(liq.,US))
Load limit (passenger)	2-UP models	160 kg (352 lb)
	3-UP models	205 kg (450 lb)
Fluids		
Fuel	Type	Regular unleaded Refer to *Fuel Requirements*
	Minimum octane	87 Pump Posted AKI (RON+MON)/2 (Inside North America) 91 (RON) E10 (Outside North America)
	Tank capacity	30 l (7.9 gal(liq.,US))
Engine oil	Recommended oil	Scandinavia : 4T 5W40 Synthetic blend oil (eur) All other countries : 4T 5W40 Synthetic blend oil
	Alternative, or if not available	Use a 5W40 motor oil that meets the requirements for API service classification SJ, SL, SM or SN. Refer to *Recommended Engine Oil*
	Capacity	2.01 l (2.12 qt(liq.,US)) oil change w/ filter(2)
Cooling system	Recommended	Extended life pre-mixed coolant
	Alternative, or if not available	Use a low silicate, extended life ethylene-glycol premixed coolant (50%-50%) specifically formulated for internal combustion aluminum engines.
	Capacity	3.0 l (3.2 qt(liq.,US))

(1) Declared power as per ISO 8665 at propeller-shaft.

(2) Quantity required when changing engine oil. Total quantity for a dry engine is 3.4 l (3.6 qt(liq.,US)).

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

TROUBLESHOOTING GUIDELINES

ENGINE WILL NOT START

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

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

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

ENGINE MISFIRES, RUNS IRREGULARLY

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

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.*
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.*

ENGINE OVERHEATS

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.*
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.*

WATERCRAFT CAN NOT REACH TOP SPEED

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

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.

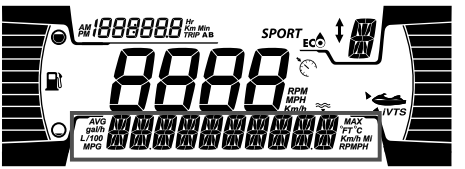
Fault codes can be viewed in the information center multifunction display however, this function is only available if a fault is still active.

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 appropriate digital display.

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)	**Bad** D.E.S.S. **system connection.** Reinstall tether cord cap correctly on the engine cut-off switch.
	Wrong D.E.S.S. **key.** Use a tether cord that has been programmed for the watercraft.
	Defective D.E.S.S. **key.** Use another tether cord with programmed D.E.S.S. key.
	Defective engine cut-off switch. Refer to an authorized Sea-Doo dealer.
	Improper operation of ECM or defective wiring harness. 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.
A 2 seconds beep every 15 minutes interval	**Engine management system fault.** 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.
	iBR system fault. Refer to an authorized Sea-Doo dealer.
A 2 seconds beep every 10 minutes interval	**Low fuel level.** Refill fuel tank. If problem persists, refer to an authorized Sea-Doo dealer.

Beeper Codes	Description
2 second beeps	**High engine temperature coolant.** See *Engine Overheating*.
	Low oil pressure. 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 *US EPA Emission-Related Warranty* contained herein for information about warranty claims.
Constant beep (Stops when vehicle is turned OFF)	**High exhaust temperature.** 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.

NOTICE
If the monitoring beeper continuously sounds, stop engine as soon as possible.

WARRANTY

BRP LIMITED WARRANTY – USA AND CANADA: 2022 SEA-DOO PERSONAL WATERCRAFT

1. SCOPE

Bombardier Recreational Products Inc. (“BRP”) warrants its model-year 2022 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. (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 2022 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 2022 Sea-Doo personal watercraft must have undergone proper registration by an authorized BRP dealer;
– The 2022 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 coordinates 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 or contact BRP by mail at one of the addresses listed under the *Contact Us* section of this guide.

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

NOTE:
Items with * as related to the evaporative emission control system.

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.

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 BRP by filling out the customer contact form at *www.brp.com* or contact BRP by mail at one of the addresses listed under the *CONTACT US* section of this guide, or call at 1-888-272-9222

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 2022 spark-ignition marine watercraft (SIMW). In California, new spark-ignition marine watercraft 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 spark-ignition marine watercraft for the period listed below, provided there has been no abuse, neglect or improper maintenance of your spark-ignition marine watercraft.

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 spark-ignition marine watercraft (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:
Items with * as related to the evaporative emission 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 spark-ignition marine watercraft (SIMW), but Bombardier Recreational Products Inc. cannot deny warranty solely for the lack of receipts.

As the spark-ignition marine watercraft (SIMW) owner, you should however be aware that Bombardier Recreational Products Inc. may deny you warranty coverage if your spark-ignition marine watercraft (SIMW) or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your spark-ignition marine watercraft (SIMW) 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.

CALIFORNIA AND NEW YORK EMISSION CONTROL WARRANTY STATEMENT FOR MODEL YEAR 2022 SEA-DOO PERSONAL WATERCRAFT

Your 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 2022 Sea-Doo personal watercraft. In California and New York, 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 2022 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 2022 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 2022 Sea-Doo personal watercraft:

Supercharger	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	-

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 2022 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 Sea-Doo 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 Sea-Doo dealer you should contact the Customer Assistance Center at 1-888-272-9222.

Star Rating System

For California and New York, your 2022 Sea-Doo spark-ignition marine watercraft (SIMW) 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 spark-ignition marine watercraft (SIMW), describes the meaning of the star rating system.

The Star Label Means Cleaner Marine Engines

The Symbol for Cleaner Marine Engines:

F18L3CQ

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**

BRP INTERNATIONAL LIMITED WARRANTY: 2022 SEA-DOO PERSONAL WATERCRAFT

1. SCOPE OF THE LIMITED WARRANTY

Bombardier Recreational Products Inc. (“BRP”) warrants its 2022 Sea-Doo personal watercraft ("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 2022 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 2022 Sea-Doo personal watercraft must have undergone proper registration by an authorized Sea-Doo distributor/dealer;
- The 2022 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 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 or contact BRP by mail at one of the addresses listed under the *Contact Us* section of this guide.

BRP LIMITED WARRANTY FOR THE EUROPEAN ECONOMIC AREA, THE COMMONWEALTH OF THE INDEPENDENT STATES AND TURKEY: 2022 SEA-DOO PERSONAL WATERCRAFT

1. SCOPE OF THE LIMITED WARRANTY

Bombardier Recreational Products Inc. (“BRP”) warrants its 2022 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 2022 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 2022 Sea-Doo personal watercraft must have undergone proper registration by an authorized Sea-Doo distributor/dealer;
- The 2022 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 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 or contact BRP by mail at one of the addresses listed under the *Contact Us* section of this guide.

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	

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CUSTOMER INFORMATION

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

By mail:
BRP Legal Service
726 St-Joseph
Valcourt QC
Canada
J0E 2L0

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

Oktrooiplein 1/402
9000 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

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

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

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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

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

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NOTE:

NOTE:

NOTE:

NOTE:

NOTE:

NOTE:

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.

www.brp.com

SKI-DOO®
SEA-DOO®
CAN-AM®
LYNX®
EVINRUDE®
ROTAX®
MANITOU®
ALUMACRAFT®

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