SECATOR REPORTS

OPERATOR'S GUIDE Includes SAFETY, VEHICLE and MAINTENANCE INFORMATION

SPORTSTER" LE/LE DI

⚠ WARNING

Read this guide thoroughly. It contains important safety information. Do not remove this *Operator's Guide* from the vehicle.

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SAFETY WARNING

Disregarding any of the safety precautions and instructions contained in this *Operator's Guide*, the *Safety Videocassette* and the on-product *Warning Labels* could cause injury, including the possibility of death. The operator has the responsibility to inform passenger(s) of safety precautions.

This *Operator's Guide* and *Safety Videocassette* should remain with the craft at the time of resale.

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SportsterTM

Doin'it on your new Sea-Doo Sport Boat

Congratulations, you are now the proud owner of a Sea-Doo sport boat. Whether you are an experienced boater or are new to the sport of boating, we ask you to take the time to view the *Safety Videocassette* provided with the craft, to read this *Operator's Guide*, on-product warning/caution labels and familiarize yourself with the contents. This guide contains pertinent information which, if followed, will provide you with the necessary knowledge to help you fully enjoy the pleasures of this boat.

We strongly recommend that any boat operator complete a safety boating course. Check with your local Coast Guard or Power and Sail Squadron in your area for course availability. More serious boaters may want to obtain "Chapman Piloting" by Elbert S. Maloney, available at most book stores.

When introducing your family or friends to the sport, be sure they fully understand the controls and operation of the sport boat and the importance of courteous, responsible riding.

Each sport boat operator has a responsibility to ensure the safety of his/her passenger(s) and of other water users. Please follow all safety instructions and operate your craft with care.

We encourage you to have an Annual Safety Inspection of your sport boat. Please contact your dealer for further details.

Finally, we invite you to visit dealer for regular safety maintenance as well as any boating accessories you may require.

Have fun and... Bon Voyage.

Please keep this guide on board. This manual should remain with the sport boat at time of resale.

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FOREWORD

This Operator's Guide has been prepared to acquaint the owner/operator or passenger of this sport boat with the various sport boat controls, maintenance and safe riding instructions. It is indispensable for the proper use of the product, and should be kept in a waterproof bag in the sport boat at all times. Make sure you read and understand the content of this document.

For any questions pertaining to the warranty and its application, please consult an authorized Sea-Doo sport boat dealer.

Hazard Statements

As you read your Owners Manual and this supplement, please note the hazard warnings which alert you to safety precautions related to unsafe conditions or operating procedures.

This guide uses the following symbols to emphasize particular information.



The safety alert symbol is recognized around the world. In this manual, it means read this information carefully! Be sure you understand the consequences of the hazards and how to avoid them. Failure to follow the recommendations in a hazard communication statement may result in property damage, personal injury, or death.

People often refer to a hazard statement as a warning in a general sense. This manual uses a series of "warnings" depending on the likely effect of a hazard (minor injury, severe injury, death.

DANGER

Indicates an imminently harzardous situation which, if not avoided will result in death or serious injury.

↑ WARNING

Identifies a potentially or imminently hazardous situation which, if not avoided, COULD result in serious personal injuries including the possibility of death or substantial property damage.

CAUTION: This signal word indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate personal injury or property damage. It may also be used to alert against unsafe practices.

NOTE: Indicates supplementary information needed to fully complete an instruction relating to equipment operation and/or maintenance procedures.

Although the mere reading of such information does not eliminate the hazard, the understanding and application of the information will promote correct and safe use of the sport boat.

The warnings in this supplement do not and cannot address every conceivable situation. Always use common sense! If a procedure, method, tool, or part is not specifically recommended, you must satisfy yourself that it is safe for you and others and that your boat will not be damaged or made unsafe as a result of your decision.

Advisory Statements

Advisory statements alert you to conditions that affect equipment operation, maintenance, and servicing practices.

An IMPORTANT statement indicates a procedure intended to prevent damage to equipment or associated components.

The information and components/ system descriptions contained in this supplement are correct at the time of publication. Bombardier Motor Corporation of America (Bombardier) however, maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on products previously manufactured.

Because of our ongoing commitment to product quality and innovation, Bombardier reserves the right at any time to discontinue or change specifications, designs, features, models or equipment without incurring obligation.

The illustrations in this document show the typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts. However, they represent parts that have the same or similar function.

It is understood that this guide may be translated into another language. In the event of any discrepancy, the English version shall prevail.

Specifications are given in the SI metric system with the SAE U.S. equivalent in parenthesis. Where precise accuracy is not required, some conversions are rounded off for easier use.

A *Shop Manual* can be obtained for complete service, maintenance and more repair information.

SAFETY INFORMATION

SAFETY

Your safety and that of your passengers and fellow boaters is YOUR responsibility. Before launching your boat, you should completely read and understand this *Operator's Guide*, product warnings and labels, the *Safety Videocassette* and other information provided with your craft or by your dealer. Heed and follow all warnings, safety precautions and operating procedures.

Bombardier strongly recommends that you take an approved boating safety course. Always operate your boat in compliance with safe boating rules, and with consideration, courtesy and common sense. Failure to do so could result in injury, including the possibility of death, to you, your passengers, others you lend your boat to, or other water users.

Safe Boating Checklist

When leaving on a cruise, whether for an hour or for several days, go through the following SAFE BOATING CHECK-LIST.

Reminders Regarding Operation...

- The performance of this sport boat may significantly exceed that of other craft you may have operated. Become completely familiar with the controls and operation of this sport boat 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 and feel the response of each control. Be fully familiar with all controls before accelerating above idle speed. Do not assume that all sport boats handle identically. Each model differs, often substantially.
- Always keep in mind that as the throttle lever is returned to the idle position, less directional control is available. To turn the craft, both steering and throttle are necessary.

- Like any other boat, this craft has no brake. Stopping distance will vary depending on initial speed, load, wind, and water conditions. Practice stopping and docking in a safe, traffic-free area to have an idea of how long it will take to stop the craft under varying conditions. Do not release the throttle when trying to steer away from objects. You need throttle to steer. Do not use the craft's reverse, if so equipped, to stop.
- Do not start or operate the sport boat if any person is not properly seated in a seat intended for use when underway (not the sun deck or swim platform) or if a person is nearby in the water.
- The sport boat's jet thrust can cause injury. Always accelerate slowly, and decelerate in a controlled fashion.
- Observe the instructions on all safety labels. They are there to help assure that you have a safe and enjoyable outing.
- Riding with passenger(s) or pulling other boats, tubes, a skier or a wakeboarder makes the craft handle differently and requires greater skill.
- Certain sport boats may come equipped with tow eyelets, a ski pole or a wake tower which can be used to attach a tow rope for a skier, tuber or wakeboarder. Do not use these attachment points or any other portion of the sport boat to tow a parasail or another craft. Personal injury or severe craft damage may occur.
- In shallow water, proceed with caution and at very low speeds. Grounding or abrupt stops may result in injury. The jet pump may pick up debris and throw it rearward causing a risk of injuring people or damaging the jet pump or other property.

- Engine exhaust contains carbon monoxide (CO), which can cause injury or death if inhaled in sufficient quantities. Do not operate the craft in a confined area or allow CO to accumulate in or around the craft, or in enclosed or sheltered areas. Such as when docked, or when rafting. Be aware of risk of CO from exhaust of other boats.
- Educate all occupants about the risks and symptoms of CO accumulation and CO poisoning. Particularly from engine and generator exhaust, educate them about where engine exhaust outlets (and generator outlets if so equipped) are located. Regularly inspect exhaust and generator system and outlets for component failures or obstructions.
- Combustion engines need air to operate; consequently this craft can not be totally watertight. Any maneuvers such as figure eights that cause the upper deck to be under water may cause severe engine problems due to water ingestion. Refer to the SPECIAL PROCEDURES and LIMITED WARRANTY sections contained in this Operator's Guide.
- Respect no wake zones, the rights of other water users and the environment. As the "skipper" and owner of a boat, you are responsible for damage to other boats caused by the wake of your craft. Do not let anyone throw refuse overboard.
- Between sunset and sunrise, use the sport boat's navigation lights and reduce speed. Do not operate the boat in reduced visibility.
- Do not add accessories or equipment that may adversely affect visibility or alter control of the sport boat.
- The skipper should personally take the helm during storms.

Before Getting Underway...

- Always perform the pre-operation checks as specified in this Operator's Guide.
- Do not exceed the payload or passenger capacities for this sport boat, which are listed on the capacity plate and in the specifications. Overloading can affect maneuverability, stability and performance. Also, heavy seas reduce capacity. A payload or person capacity plate is not an excuse for failure to use common sense or good judgment.
- Regularly inspect the boat, the hull, engine, safety equipment, and all other boating gear and keep them in safe operating condition.
- Be sure you have the minimum required safety equipment, PFDs and any additional gear needed for your cruise.
- Check that all lifesaving equipment, including fire extinguisher, is in safe operating condition and easily accessible. Show all passengers where this equipment is, and make sure they know how to use it.
- 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.
- Before departure, file a Float Plan with a responsible person ashore.
- Keep 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.

Operators and Passengers...

- Never operate a boat while under the influence of drugs or alcohol. It is a Federal offense. Allow only qualified drivers to operate your boat. Remember that sun, wind, alcohol, drugs, fatigue or illness may impair your judgement and reaction time.
- At least one passenger should be able to operate the boat in case the operator is unexpectedly unable to do so.
- Operation of this craft by a person under 16 years of age or a person with a disability that impairs vision, reaction time, judgment, or operation of the controls is NOT recommended.
- Always use the lanyard stop switch when operating the boat and ensure that all passengers are familiar with its use.
- Ensure that any operator and all passengers know how to swim and how to re-board the sport boat from the water. If a passenger does not know how to swim, ensure that passenger wears a PFD at all times and take extra precautions when boating.

Regarding Fuel and Fueling...

- Remember that fuel and gasoline fumes are flammable and explosive under certain conditions. Be very careful when fueling and adhere to the fueling procedures contained in this Operator's Guide and those given to you by the marina. Always stop the engine before fueling and never allow anyone to remain in the craft while fueling. Each time you fill up, assure that the engine compartment is free of gasoline vapors, and inspect fuel lines for leaks and hose deterioration.
- Do not smoke or allow open flames or sparks in the vicinity.

 Know the capacity of the fuel tank. Avoid fueling at night except under well-lit conditions. Gas spills are not noticeable in the dark. Do not carry spare fuel or flammable liquids in any of the storage or engine compartments.

Safety Equipment

An operator and the craft's passenger(s) should have ready access to shatterproof glasses should riding conditions or personal preference warrant.

Wind, water spray and speed may cause a person's eyes to water and create blurred vision.

As the owner of the boat, you are responsible for assuring that all required safety equipment is aboard. You should also consider supplying additional equipment as needed for your safety and that of your passengers. Check state and local regulations and call the U.S. Coast Guard Boating Safety Hotline at 1 800 368-5647 for information about required safety equipment.

Required Safety Equipment

Most of the safety equipment required by federal regulations is provided as standard equipment. Personal flotation devices must be fitted to the people wearing them. If local regulations require additional equipment, it must be approved by the U.S. Coast Guard (USCG). Minimum requirements include the following:

- personal flotation devices
- fire extinguisher
- visual distress signal
- navigation lights
- bell or whistle.

A cellular telephone in a waterproof bag or container has also been found to be beneficial to boaters when in distress or just for contacting someone on shore.

Personal Flotation Devices (PFDs)

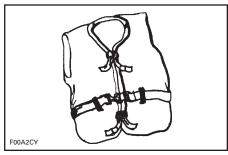
Federal regulations require that you have at least one Coast Guard approved personal flotation device (PFD) for each person in a recreational boat and require that all children under 13 years of age wear a PFD at all times when the boat is underway, except when below deck or in an enclosed cabin. You may not use your boat unless all PFDs are in serviceable condition, readily accessible, legibly marked with the Coast Guard approval number, and of an appropriate size (within the weight range and chest size marked on the PFD) for each person on board.

A PFD provides buoyancy to help keep your head above the water and to help you remain in a satisfactory position while in the water. Body weight and age should be considered when selecting a PFD. The buoyancy provided by the PFD should support your weight in water. The size of the PFD should be appropriate for the wearer. Body weight and chest size are common methods used to size PFDs. It is your responsibility to ensure that you have the proper number and types of PFDs on board to comply with federal and local regulations and that your passengers know where they are and how to use them.

PFD Types

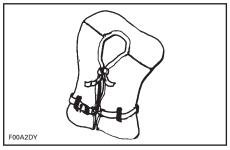
Five types of PFDs have been approved by the U.S. Coast Guard.

PFD Type I, Wearable has the greatest required buoyancy. Its design allows for turning most unconscious persons in the water from face down position to a vertical or slightly backward, face-up position. It can greatly increase the chances of survival. Type I is most effective for all waters, especially offshore when rescue may be delayed. It is also the most effective in rough waters.



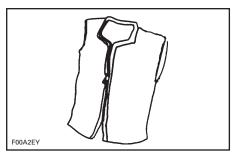
TYPE I — WEARABLE

PFD Type II, Wearable turns its wearer in the same way as Type I, but not as effectively. The Type II does not turn as many persons under the same conditions as a Type I. You may prefer to use this PFD where there is a probability of quick rescue such as in areas where other people are commonly involved in water activities.



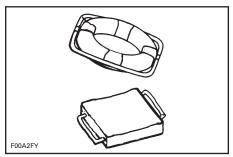
TYPE II — WEARABLE

PFD Type III, Wearable allows wearers to place themselves in a vertical or slightly backward position. It does not turn the wearer. It maintains the wearer in a vertical or slightly backward position and has no tendency to turn the wearer face down. It has the same buoyancy as a Type II PFD and may be appropriate in areas where other people are commonly involved in water activities.



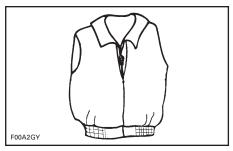
TYPE III — WEARABLE

PFD Type IV, Throwable is required in addition to the PFDs previously discussed. The most common Type IV PFD is a buoyant cushion or ring buoy. It is designed to be thrown to a person in the water, grasped and held by the user until he or she is rescued. A Type IV PFD should always be in serviceable condition and immediately available for use. Grasping this PFD may be difficult if the rescue is delayed or if the user is overcome by hypothermia (loss of body heat).



TYPE IV — THROWABLE

PFD Type V, Wearable must be worn. When inflated, it provides buoyancy equivalent to Type I, II or III PFDs. When it is deflated, however, it may not support some people.



TYPE V — WEARABLE

PFD Pointers

The purpose of a PFD is to help save your life. If you want it to support you when you are in the water, it needs to fit, float, and be in good condition.

- Try the PFD on and adjust it until it fits comfortably in and out of the water. Mark your PFD if you are the only wearer.
- To make sure the PFD works, wear it in the water. This will show you how it works and give you confidence when you use it.
- Teach children how to put a PFD on and allow them to try it in the water. That way, they know what the PFD is for and how it works. They will feel more comfortable with it if they suddenly find themselves in the water.
- If the PFD is wet, allow it to dry thoroughly before storing it. Do not dry
 it in front of a radiator or heater.
 Store it in a well-ventilated area.
- Keep PFDs away from sharp objects which can tear the fabric or puncture the flotation pads.
- For their own safety and the safety of others, all non-swimmers, poor swimmers, and small children should wear PFD's at all times whether the boat is stationary or moving.

- Check the PFD frequently to make sure that it is not torn, that flotation pads have no leaks, and that all seams and joints are securely sewn.
- If a PFD contains kapok, the kapok fibers may become waterlogged and lose their buoyancy after the vinyl inserts are punctured. If the kapok becomes hard or if it is soaked with water, replace it. It may not work when you need it.

Hypothermia

Hypothermia, the loss of body heat to the water, is a significant cause of deaths in boating accidents. After an individual has succumbed to hypothermia, he or she will lose consciousness and then drown.

PFDs can increase survival time because of the insulation they provide.

Naturally, the warmer the water, the less insulation one will require. When operating in cold water (below 40°F) consideration should be given to using a coat or jacket style PFD as they cover more of the body than the vest style PFDs.

Some points to remember about hypothermia protection:

1. While afloat in the water, do not attempt to swim unless it is to reach a nearby craft, fellow survivor, or a floating object on which you can lean or climb. Unnecessary swimming increases the rate of body heat loss. In cold water, drown-proof methods that require putting your head in the water are not recommended. Keep your head out of the water. This will greatly lessen heat loss and increase your survival time.

- Keep a positive attitude about your survival and rescue. This will improve your chances of extending your survival time until rescue. Your will-to-live does make a difference!
- If there is more than one person in the water, huddling is recommended while waiting to be rescued. This action tends to reduce the rate of heat loss and thus increase the survival time.
- Always wear your PFD. It won't help you fight off the effects of hypothermia if you don't have it on when you go into the water.

Fire Extinguishers

As the owner of the boat, you are responsible for supplying a fire extinguisher approved by the U.S. Coast Guard.

All Class 1 powerboats (16 to less than 26 feet) (4.8-7.9 m) are required to carry one (1) B-1 type hand portable fire extinguisher unless the boat is equipped with a fixed fire extinguishing system in the engine compartment.

Hand-held portable fire extinguishers should be mounted in readily accessible locations away from the engine compartment. All persons aboard should know the location and proper operation of the fire extinguisher(s).

NOTE: Don't test fire extinguishers by squirting small amounts of the extinguishing compound. The extinguisher might not work when you really need it!

Visual Distress Signal Devices

Visual distress signal devices approved by the U.S. Coast Guard are reguired on all recreational boats operating on coastal waters and on boats owned in the United States when they are operating on the high seas. Coastal waters include territorial seas and those waters directly connected to the Great Lakes and the territorial seas up to a point where the waters are less than 2 miles (3.2 km) wide. Visual distress signal equipment may be of the pyrotechnic or non-pyrotechnic type. Regulations prohibit display of visual distress signals on the water under any circumstances except when assistance is required to prevent immediate or potential danger to persons on board a vessel.

The equipment must be approved by the U.S. Coast Guard, be in serviceable condition, and be stowed in a readily accessible location. Equipment having a date for serviceable life must be within the specified usage date shown.

Careful selection and proper stowage of visual distress equipment is very important if children are aboard.

MARNING

Fire! In case of fire, do not open engine compartment. Turn off engine. Using portable C02 fire extinguisher, continuously discharge entire contents at base of fire.

DAY USE ONLY

 Three orange smoke signals (one hand held and two floating) or one orange flag with black square and disk.

NIGHT USE ONLY

• One S-O-S electric distress light.

DAY AND NIGHT USE

• Three flares of the hand held, meteor or parachute type.

Sound Signaling Devices

NOTE: No single signaling device is appropriate for all purposes. Consider keeping various types of equipment on board.

Boats less than 26 feet (7.9 m) in length are required to carry a hand, mouth, or power operated horn or whistle. It must produce a blast of two second duration and audible at a distance of at least one-half (1/2 miles) (800 m).

Following are standard whistle signals:

- one prolonged blast (warning signal)
- one short blast (pass on my port side)
- two short blasts (pass on my starboard side)
- three short blasts (engines in reverse)
- five or more blasts (danger signal).

Navigation Lights

Navigation lights are intended to keep other vessels informed of your presence and course. If you are out on the water between sunset and sunrise, you are required to display appropriate navigation lights.

Additional Recommended Equipment

It is recommended that you acquire additional equipment for safe, enjoyable cruising. This list, which is not all inclusive, includes items you should consider acquiring.

BASIC GEAR

- flashlight
- mooring lines
- compass
- oar or paddle
- distress signals
- first aid kit
- dock fenders
- VHF radio
- EPIRB (Electronic Position Indicating Radio Beacon)
- boat hook
- extra warm clothing
- charts
- sunblock
- tow line
- second anchor and line
- dewatering device (pump or bailer)
- emergency supply of drinking water and food.

TOOLS

- spark plug wrench
- hammer
- screwdrivers
- iackknife
- pliers
- electrician's tape
- adjustable wrench
- lubricating oil
- duct tape.

For additional tools, see your dealer.

SPARE PARTS

- extra bulbs
- extra fuses
- extra drain plug
- spark plugs
- spare wire.

For additional parts, see your dealer.

Carbon Monoxide and Boating

Burning a material containing carbon produces carbon monoxide (CO), an odorless and colorless gas. Because CO weighs the same as air, it can spread throughout an enclosed space unnoticed because you cannot see it or smell it. Any device used to burn carbon-based materials on a boat can be a source of CO. Common sources of CO include internal combustion engines.

CO reacts with the blood to reduce the ability of the blood to carry oxygen. The reduced oxygen supply to body tissues results in death of the tissue. Prolonged exposure can cause brain damage or death. In high concentrations, CO can be fatal within minutes. The effects of CO in lower concentrations are cumulative and can be just as lethal over long periods of time.

Symptoms of CO poisoning include: Itchy and watering eyes, flushed appearance, throbbing temples, inability to think coherently, ringing in the ears, tightness across the chest, headaches, drowsiness, nausea, dizziness, fatigue, vomiting, collapse, and convulsions. If any of these symptoms are evident, begin treatment immediately. Prompt action can make the difference between life and death.

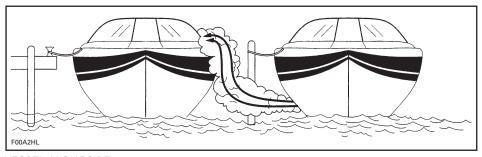
- Evacuate the area and move the victim to fresh air.
- Administer oxygen if available and get medical help.
- Open all canvas enclosures to ventilate the area.
- Investigate the source of CO and take immediate corrective action.
- Be especially aware of other CO sources which may be near boat.

Carbon Monoxide Accumulation

Following are examples of possible situations where CO may accumulate in or around your boat while docked, anchored, or underway. Become familiar with these examples and take precautions to prevent personal injury or death.

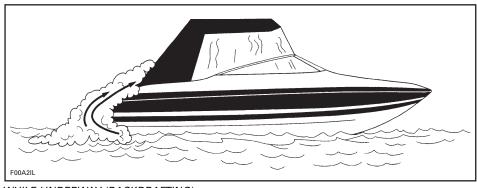
MARNING

Exhaust Fumes! Generator or hull exhaust from your boat and other vessels while either docked or anchored can emit poisonous CO gas and cause excessive accumulation of CO in and around your boat. Be alert for generator and engine exhaust from your vessel or other vessels alongside. When docked, anchored, or rafting with other boats, turn off your engine(s) and generators or otherwise assure adequate ventilation to avoid accumulation of poisonous CO gas in and around your boat, swimmers and passengers.



VESSEL ALONGSIDE

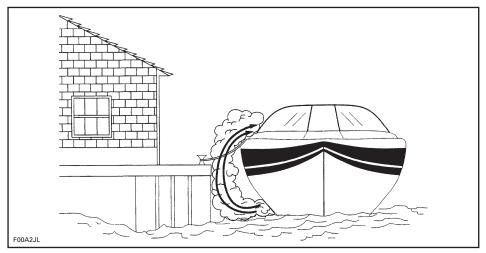
Engine exhaust fumes contain carbon monoxide (CO) which can accumulate in and around the boat (under bimini top, canvas enclosures, in cockpit, around transom etc.). CO can be harmful or fatal if inhaled. Assure there is adequate ventilation whenever running engine(s). Never allow individuals to "surf" behind your boat (hanging onto swim platform, surfing the wake) or be towed without an adequate length of tow rope.



WHILE UNDERWAY (BACKDRAFTING)

While underway, CO concentrations can increase by backdrafting or "the station wagon effect". Backdrafting is caused by factors such as relative wind direction, speed, or the bow being too high. To prevent this, open canvas whenever possible to provide positive airflow through the hull.

Boat houses, seawalls, other boats in close proximity or confined areas and wind conditions can contribute to increased CO levels. Operators must be aware that operation, mooring, and anchoring in an area with other boats puts them in jeopardy of CO accumulation from other sources. Likewise, a boat operator must be aware of how exhaust from his boat will affect others. Operation of the engines while moored may cause CO accumulation in your boat and those around you.



CONFINED AREAS

Be sure to provide adequate ventilation. If the windshield or cabin has vents, open them before getting underway to increase positive air flow and decrease the chances of CO accumulation.

№ WARNING

Backdrafting! Under certain conditions, moving air currents can direct poisonous CO fumes into boat. These fumes can accumulate to dangerous levels without proper airflow. Provide adequate ventilation, redistribute the load or bring boat out of high bow angle.

↑ WARNING

Exhaust Fumes! Engine exhaust from your boat when operating at slow speed or stopped in the water can cause excessive accumulation of poisonous CO within cockpit area. Tail winds can increase accumulation. Provide adequate ventilation or slightly increase speed if possible. Installing rear canvas while underway increases the chance of CO accumulation in your boat.

Even with the best boat design and construction, CO may still accumulate in enclosed or confined areas under certain conditions. Continually observe passengers for symptoms of CO poisoning.

CO Detector

It is strongly recommended that you have CO detectors installed in boats with canvas enclosures or cabins. Monitors are available from your dealer. Monitors should be professionally installed and calibrated.

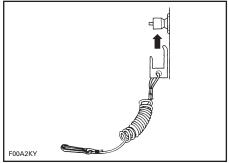
NOTE: A CO detector is not a gas fuel vapor detector. Gas fuel vapor detectors do not monitor the buildup of CO in an enclosed area.

Lanyard Stop Switch

This safety device automatically stops the engine if the lanyard is attached to the operator and the operator falls from the control station. Refer to the engine manual for detailed information about using this switch.

The stop switch incorporates a shutoff switch, snap on cap, lanyard, and lanyard clip. The lanyard clip must be securely attached to the operator's PFD, clothing, arm, or leg. Be sure to attach the lanyard to a place where it is free of obstructions and to something that will move with the operator if he or she leaves the helm station.

If the engine shuts down because this switch was activated, the clip must be reinstalled on the interrupter switch before the engine can be restarted.



TYPICAL — IGNITION INTERRUPTER
(STOP SWITCH) WITH LANYARD

↑ WARNING

Always use the safety lanyard when operating your boat. Keep lanyard stop switch free from obstructions that could interfere with its operation. Do not modify or remove lanyard stop switch or bypass its safety features. The proper use of the lanyard stop switch can prevent a runaway boat situation which otherwise could cause severe personal injury or death.

Safe Boating Practices

YOU are responsible for your own safety, the safety of your passengers, and the safety of fellow boaters.

Drugs and Alcohol

Do not use drugs or drink alcohol while operating a boat. Like driving a car, driving a boat requires sober, attentive care. Operating a boat while intoxicated or under the influence of drugs is not only dangerous, but it is also a Federal offense carrying a significant penalty. These laws are vigorously enforced. The use of drugs and alcohol, singly or in combination, decreases reaction time, impedes judgment, impairs vision, and inhibits your ability to safely operate a boat.

↑ WARNING

Alcohol consumption and boating do not mix! Operating under the influence endangers the lives of your passengers and other boaters. Federal laws prohibit operating a boat under the influence of alcohol or drugs.

Safe Operation

For safety reasons and proper care, always perform "Daily Pre-Operation Checks" as specified in your *Operator's Guide* before operating your craft. Safe operation means that you do not misuse your boat nor do you allow your passengers to do so. Safe operation means using good judgment at all times. It includes, without limitation, the following actions:

- Load the boat within the limits listed on the capacity plate. Balance loads bow to stern and port to starboard.
- Maintain boat speed at or below the local legal limit. Avoid excessive speed or speeds not appropriate for operating conditions.
- Do not use the boat in weather or sea conditions beyond the skill or experience of the operator or the comfortable capability of the boat or passengers.
- Be sure at least one other passenger is familiar with the operation and safety aspects of the boat in case of an emergency.
- Make sure that passengers and gear do not obstruct the operator's view or ability to move.
- Do not exceed the maximum engine power rating stated on the certification plate attached to the boat.
- Observe all safety signs and warnings both inside the boat and in the immediate boating area.

Passenger Safety

Before getting underway, show all passengers where emergency and safety equipment is stowed, and explain how to use it. Everyone aboard should wear rubber-soled shoes which resist slipping on wet surfaces. While underway, passengers should remain seated inside the deck rails. Don't allow passengers to drag their feet or hands in the water. Always use handholds and other safety hardware to prevent falls. All non-swimmers, poor swimmers, and children should wear a PFD at all times. Federal regulations require that children under 13 years of age wear a PFD when the boat is underway unless they are in an enclosed cabin or below deck.

First Aid

As a boat operator, you should be familiar with basic first aid procedures that may be needed while you are far from help. Fish hook accidents or minor cuts and abrasions may be the most serious mishaps on board a boat, but you should also learn the proper procedures and be ready to deal with the truly serious problems like excessive bleeding, hypothermia, and burns. First aid literature and courses are available through most Red Cross chapters.

Operation By Minors

Minors should always be supervised by an adult whenever operating a boat. Many states have laws regarding the minimum age and licensing requirements of minors. Be sure to contact the state boating authorities for information. Bombardier recommends a minimum operator age of 16 years old.

Rules of the Road

As a responsible boater, you will comply with the "Rules of the Road", the marine traffic laws enforced by the U.S. Coast Guard. Navigating a boat is much the same as driving an automobile. Operating either one responsibly means complying with a set of rules intended to prevent accidents. Just as you assume other car drivers know what they are doing, other boaters assume you know what you are doing.

Operating a craft can be compared with driving unmarked highways and roads. To prevent collisions or avoid other boaters, a system of operating rules must be followed. It's not only common sense...it's the law!

Check local and federal boating laws applicable to the waterways where you intend to use your craft. Learn the local rules of the road. Know and understand the applicable navigation system (such as buoys and signs).

Know the waters in which the craft is to be operated. Current, tides, rapids, hidden obstacles, wakes and waves etc. can affect safe operation. It is not advisable to operate the craft in rough or inclement weather.

Remember these Rules of the Road

Know the Right of Way Rules

Generally keep to your right and safely avoid other craft by keeping a safe distance from other craft, people and objects.

CROSSING

Give right of way to craft ahead and to your right. Never cross in front of a boat. RED light (give way to the other boat).

GREEN light (you have the right of way).

MEETING HEAD-ON

Keep right.

PASSING

Give right of way to other craft and keep clear

Navigation System

Navigational aids, such as signs or buoys, can help you identify safe waters. Buovs will indicate whether you should keep to the right (starboard) or to the left (port) of the buoy or to which channel you can continue. They may also indicate whether you are entering a restricted or controlled area such as a no wake or speed zone. They may also indicate hazards or pertinent boating information. Markers may be located on shore or on the water. They can also indicate speed limits, no power craft or boating, anchorage and other useful information. (The shape of each type of marker will provide assistance).

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

Collision Avoidance

- Do not release throttle when trying to steer away from objects. You need throttle to steer.
- Always keep a constant lookout for other water users, other boats or objects, especially when turning. Be alert for conditions that may limit your visibility or block your vision of others.
- Respect the rights of other recreationists and/or bystanders and always keep a safe distance from all other craft, people and objects.
- Do not wake or wave jump, ride the surf line or attempt to spray or splash others with your craft. You may misjudge the ability of the craft or your own driving skills and strike a boat or person.

- This craft has the capability of turning more sharply than other boats. However, unless in an emergency, do not negotiate sharp, high speed turns. Such maneuvers make it hard for others to avoid you or understand where you are going. Also, you and/or your passenger(s) could be thrown from the craft.
- Like any other craft, this sport boat has no brake. Stopping distance will vary depending on initial speed, load, wind, and water conditions. Practice stopping and docking in a safe, traffic free area to have an idea of how long it will take to stop the craft under varying conditions.
- Maintaining or increasing speed may be necessary to avoid a collision.

Safe Riding

- Always keep in mind that as the throttle lever is returned to idle position, less directional control is available, and when the engine is off, directional control is lost. You need throttle to steer.
- While your craft 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.
- In shallow water, proceed with caution and at very low speeds.
 Grounding or abrupt stops may result in injury. Debris may also be picked up and be thrown rearward by the jet pump onto people or property.
- Do not use the craft's reverse, if so equipped, to stop. You or your passenger(s) could be violently ejected forward or even off the craft onto the hazard.

Operator/Passenger Awareness

- Do not start or operate the craft if anyone is seated on the sun deck or swim platform, or is nearby in the water. Water and/or debris exiting jet thrust nozzle can cause severe injury.
- The operator and passenger(s) should be properly seated before starting or moving the craft. All passenger(s) should be instructed to use the handholds or seat straps provided.
- When accelerating a sport boat with a passenger(s), whether from a complete stop or while underway, always do so progressively. Fast acceleration may cause your passenger(s) to loose their balance or grip and strike something in the craft or fall out of the craft. Make sure that your passenger(s) know of, or anticipate, any rapid acceleration.

Maneuverability of the Craft/Towing

- Do not overload the craft or take on more passengers than designated for the particular craft. Overloading can affect maneuverability, stability and performance.
- Avoid adding on accessories or equipment which may alter your control of the craft.
- Riding with a passenger(s) or pulling a tube, skier or wakeboarder makes the craft handle differently and requires greater skill.
- Always respect the safety and comfort of your passenger(s) and person being towed on skis, wakeboard or other water products.
- Always carry an observer when pulling a tube, skier or wakeboarder, proceed with only as much speed as required and follow the observer's instructions. Unless absolutely necessary, do not make tight, sharp turns. Keep a safe distance from the docks, other swimmers, craft or objects.

 Use a tow rope of sufficient length and size and make sure it is adequately secured to your craft. Some sport boats are equipped or can be fitted with a specially designed towing mechanism. It can become a hazard should someone fall on it.

Don't Forget:

Ride smart from the start and we all win!

Voluntary Inspections

State boating officials in many states or the U.S. Coast Guard Auxiliaries offer courtesy inspections to check out your craft. They will check for compliance with safety standards and required safety equipment. You may voluntarily consent to one of these inspections, and you are allowed time to make corrections without prosecution. Check with the appropriate state agency or the Coast Guard Auxiliary for details.

Safe Boating Courses

The local U.S. Coast Guard Auxiliary and the U.S. Power Squadrons offer comprehensive safe boating classes several times a year. You may contact the BOAT/U.S. Foundation at 1 800 336-BOAT (2628) or, in Virginia, 1 800 245-BOAT (2628), for a course schedule in your area. Also contact the local U.S. Coast Guard Auxiliary or Power Squadron Flotilla for the time and place of their next scheduled class. A boating safety course is recommended and may be required in your province or state.

Water Sports

⚠ WARNING

Avoid Personal Injury! Your boat is not designed for and should not be used for pulling parasails, kites, gliders, or any device which can become airborne. Use boat only for appropriate water sports and follow these safety guidelines.

Water skiing, wakeboarding, or riding a towed, inflatable apparatus are some of the more popular water sports. Taking part in any water sport requires increased safety awareness by the participant and the boat operator. If you have never pulled someone behind your boat before, it is a good idea to spend some hours as an observer, working with and learning from an experienced driver. It is also important to be aware of the skill and experience of the person being pulled. Always have a second person on board to observe the person in the water so the driver can concentrate on operating the boat.

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

Everyone participating in a water sport should observe these guidelines:

- 1. Allow only capable swimmers to take part in any water sport.
- Always wear a personal flotation device (PFD) approved by the U.S. Coast Guard. Wearing a properly designed PFD helps a stunned or unconscious person stay afloat. A Type-IV water-ski vest is an approved and practical PFD.
- 3. Have a second person aboard to observe the person being towed and inform the driver about the participant's hand signals. The driver must give full attention to operating the boat and the waters ahead.
- 4. Never allow a person to "teak surf" behind your boat. Do not tow a person in any water sport 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.

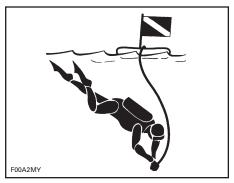
- 5. Be considerate to others you share the water with.
- Give immediate attention to a person who has fallen. He or she is vulnerable in the water alone and may not be seen by other boaters.
- Approach a person in the water from the lee side (opposite the direction of the wind). Turn off the motor before coming close to the person.
- 8. Turn off engine and anchor the boat before swimming.
- Participate in water sports only in safe areas. Stay away from other boats, channels, beaches, restricted areas, swimmers, and heavily traveled waterways and underwater obstructions.
- Swim only in areas designated as safe for swimming. These are usually marked with a swim area buoy. Do not swim alone or at night.



SWIM AREA BUOY

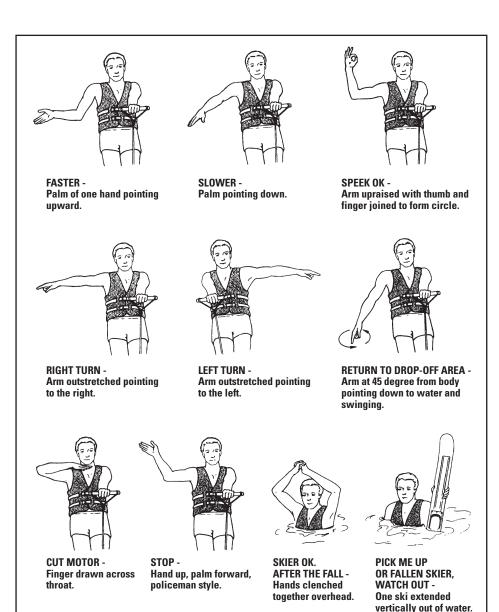
- 11. Do not water ski between sunset and sunrise. It is illegal in most states and unsafe.
- 12. Do not drive the boat directly behind a water skier, tuber or wakeboarder. At 25 miles (40 km) per hour, the boat will overtake a person who falls in the water 200 feet (60 m) in front of your boat in about 5 seconds.
- 13. Shut engine off and remove ignition key when anyone is in the water nearby.

 Stay at least 150 feet (45 m) away from areas marked by a diver down float.



DIVER DOWN FLOAT

Avoid Personal Injury! Do not allow anyone near the jet pump or intake grate, even when the engine is off. Items such as long hair, loose clothing or personal flotation device straps can become entangled in moving parts resulting in serious injury or drowning. In shallow water, shells, sand, pebbles or other objects could be drawn up by the jet pump and be thrown rearward.



SKIING SIGNALS

F00A2NL

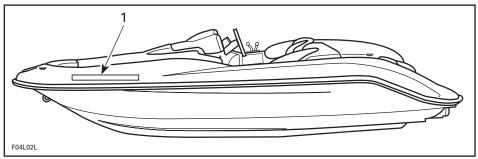
For more information about water skiing, please contact the American Water Ski Association, 799 Overlook Drive, Winter Haven, FL 33884 (1 800 533-2972).

VEHICLE INFORMATION

REGISTRATION NUMBER LOCATION

All boats are required by federal law to be registered and legally numbered.

The registration number must appear on each side of the sport boat in the location indicated below.



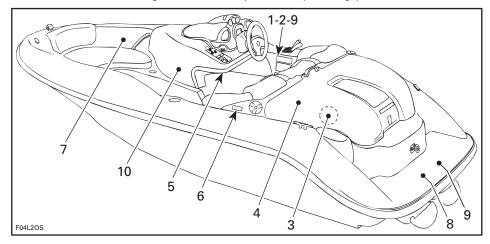
TYPICAL

1. Registration number location

LOCATION OF THE IMPORTANT LABELS

The following labels are on your craft. If missing or damaged, they can be replaced free of charge. See an authorized Sea-Doo sport boat dealer.

Please read the following labels carefully before operating your boat.



Label 1

A WARNING

Read and follow warning labels and operator's guide before operation. Severe injury or death can result from ignoring warnings or improper use of this sport boat. The performance of this sport boat may significantly exceed that of other boats you may have operated.

- Check throttle/shifter and steering operation and position before starting engine(s).
- Directional control is reduced with decreasing speed and lost when engine is off.
- · Do not splash others or jump waves or wakes.
- Occupants should always wear approved PFD and recommended protective clothing.
- Do not operate if passengers are not properly seated and using handgrips, or if visibility is
 obstructed. Do not allow passenger(s) to ride on any portion of the boat not designated in the
 operator's guide as a seat for use when underway.
- · Properly attach safety lanyard to your PFD.
- Keep a safe distance from all other water users. Be aware of and observe all applicable laws and regulations.

F13L1UL

Label 2



Label 3

MAXIMUM ENGINE POWER CAPACITY RATING OF THE CRAFT: 100 KW

F04LCMY

TYPICAL — REFER TO ACTUAL LABEL ON BOAT

Label 4

A WARNING

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

F13L1MY

Label 5

A WARNING

Gasoline vapors can explode, resulting in injury or death. Before starting engine, operate blower for 5 minutes and check engine compartment bilge for gasoline vapors.

F13L1SY

Label 6

A WARNING

Avoid serious injury or death from fire or explosion.

- Before fueling, stop engine and keep boat level.
- · Open fuel cap slowly to relieve pressure.
- Do not overfill.
- · Regularly inspect fuel system for leaks.
- Use regular unleaded gasoline and check oil level.

13L1NY

Label 7

A WARNING

Not a seat. Do not use as a seat while underway.

F13L1RY

Label 8

A WARNING

Avoid serious personal injury or death,

- Turn off engine(s) before using swim platform.
- Keep people, clothing and hair away from jet nozzle(s) or intake grate(s) to avoid entanglement, drowning and carbon monoxide poisoning.

F13L1OY

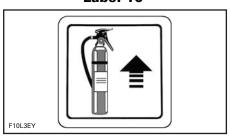
Label 9

A WARNING

Engine exhaust fumes contain carbon monoxide (CO) which can accumulate in and around the boat (under bimini top, in cockpit, etc.). CO can be harmful or fatal if inhaled. Assure there is adequate ventilation whenever running engine(s).

F13L1QL

Label 10

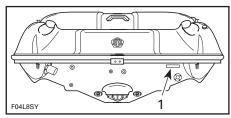


IDENTIFICATION NUMBERS

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

Hull

The Hull Identification Number (H.I.N.) is located on the right side of the transom.



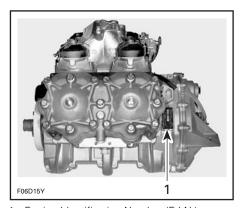
TYPICAL

1. Hull Identification Number (H.I.N.)

Engines

947 DI Engine

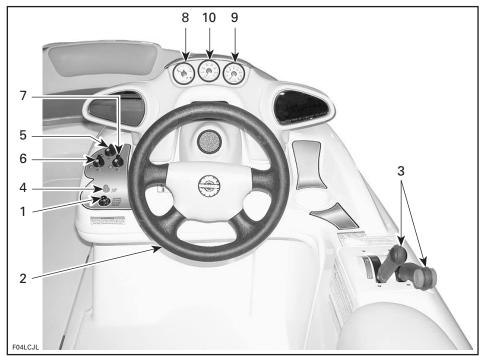
The Engine Identification Number (E.I.N.) is located on the upper crankcase on MAGNETO side.



1. Engine Identification Number (E.I.N.)

CONTROLS, COMPONENTS AND INSTRUMENTS LOCATION

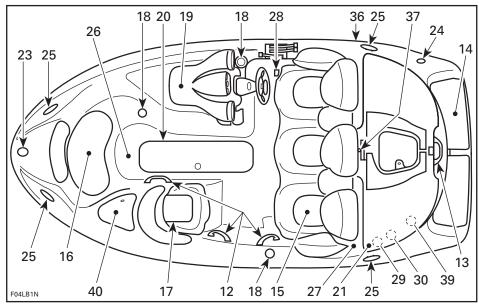
Cockpit



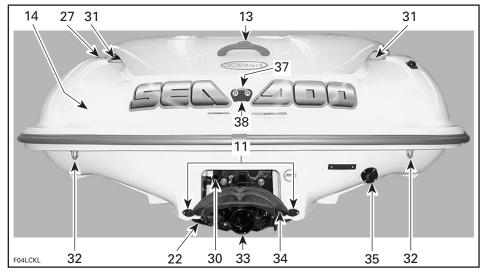
COCKPIT VIEW

32 _____

Overview



TYPICAL



TYPICAL — SPORTSTER LE DI REAR VIEW

- 1. Safety Lanyard
- 2. Steering Wheel
- 3. Throttle/Shifter Lever
- 4. Start/Stop Button
- 5. Navigation Light Switch
- 6. Bilge Pump Switch
- 7. Bilge Air Blower Switch
- 8. Fuel Gauge/Low Injection Oil Level Pilot Lamp
- 9. Tachometer
- 10. Speedometer
- 11. Bilge Drain Plugs
- 12. Grab Handles
- 13. Rear Grab Handles
- 14. Swim Platform
- 15. Seats
- 16. Sun Seat
- 17. Spotter Seat
- 18. Cup Holders
- 19. Front Storage Compartment

- 20. Deck Storage Compartment
- 21. Rear Storage Compartment
- 22. Jet Pump Water Intake
- 23. Bow Light
- 24. Removable Stern Light Socket
- 25. Mooring Cleats
- 26. Deck
- 27. Fuel Tank Cap
- 28. Deck Drain
- 29. Oil Injection Tank Cap
- 30. Flushing Connectors
- 31. Ventilation Ducts
- 32. Bow/Stern Eyelets
- 33. Jet Pump Nozzle
- 34. Reverse Gate
- 35. Scupper Valve
- 36. Fuel Tank Vent
- 37. Water Sport Towing Attachments
- 38. Cooling System Bleed Outlet
- 39. Main Battery Cut-Off Switch
- 40. Cooler

CONTROLS, COMPONENTS AND INSTRUMENTS FUNCTIONS

1) Safety Lanyard (engine cut-out switch)

MARNING

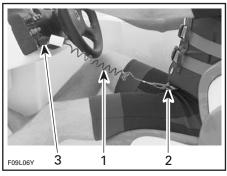
Always use the safety lanyard when operating your boat to help prevent a runaway boat and reduce the risk of personal injury or death. Disconnect the lanyard when stopped to help prevent accidental starting.

The safety lanyard should be securely snapped onto its switch to be fully operational.

Pulling the safety lanyard cap from the switch stops the engine operation. Always attach the safety lanyard to the operator's Personal Flotation Device and snap the cap to the switch to be able to start the engine.

MARNING

Should the safety lanyard cap become loose or fails to remain on its switch, replace it immediately.



TYPICAL

- 1. Safety lanyard
- 2. Secure to PFD
- 3. Snap to safety lanyard switch

♠ WARNING

Directional control is reduced when throttle is released and lost if the safety lanyard is pulled off the post (stopping engine) while boat is underway.

Do not lubricate the safety lanyard post.

Monitoring System

To assist you when using the craft, a system monitors some components of the boat and sends audible signals through a beeper to inform you of a particular condition. The following chart gives the coded signals related to the safety lanyard only. For other possible codes, refer to the TROUBLESHOOTING section.

NUMBER OF BEEPS	POSSIBLE CAUSE	REMEDY
2 shorts (while installing safety lanyard on DESS post).	 Everything is correct with the safety lanyard (good contact and the right lanyard cap). 	Engine can be started normally.
1 long (while installing safety lanyard on DESS post or when pressing start/stop button in some cases).	Bad connection between safety lanyard cap and DESS post.	Remove and reinstall the safety lanyard on the DESS post. Two short beeps should be heard which indicate the system is ready to allow starting engine.
	• Wrong safety lanyard.	Use the safety lanyard that has been programmed for the boat. If it does not work, refer to an authorized dealer.
	 Dirty safety lanyard cap. 	• Clean.
	 Improper operation of MPEM or defective wiring harness. 	 Refer to an authorized dealer.

Digitally Encoded Security System (DESS™)

The safety lanyard cap specifically contains an electronic circuit that gives it a unique electronic serial number.

This safety lanyard can not be used on another boat and conversely, the one from another craft can not be used on your craft.

However, the DESS brings a great flexibility. You can buy additional safety lanyard and have it programmed for your craft. To have additional safety lanyard programmed, refer to an authorized Sea-Doo sport boat dealer.

If the engine is stopped with the start/ stop button while the safety lanyard remains on the switch, it can be restarted within approximately 10 minutes by pressing the start/stop button. After this delay, it is necessary to apply slight pressure of the safety lanyard on the switch. Two short beeps should sound indicating the system is ready again to allow engine starting.

Do not lubricate the safety lanyard DESS post. Keep the lanyard system in good working condition. Periodically inspect and test the system. If the lanyard doesn't stop the engine when removed from the post or if it is worn or damaged, see your dealer for repair or replacement.

2) Steering Wheel

The steering wheel controls the direction of the sport boat. Turning the steering wheel clockwise steers the sport boat to the right and inversely, so long as the engine is running.

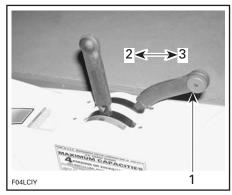
Low-Speed Steering Control System

Whenever the throttle lever is in **idle position** and the steering wheel is approaching the end of its rotation, the engine speed will be slightly accelerated to increase the jet pump thrust and thus improving the steering control for low speed operation and when approaching/leaving a dock. Refer to OPERATING INSTRUCTIONS for more details.

3) Throttle/Shifter Lever

Throttle

When pushed forward, the craft accelerates. When fully pulled back, engine(s) return to idle speed and the sport boat is gradually stopped by water drag.



- 1. Throttle Lever
- Increase speed
- 3. Decrease speed/Idle

Shifter

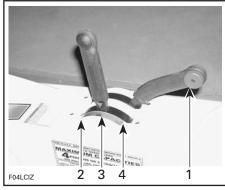
A 3-position lever:

- forward
- neutral
- reverse.

In order to shift, throttle lever must be fully pulled back to idle speed.

Shifter must be in neutral position to allow starting engine.

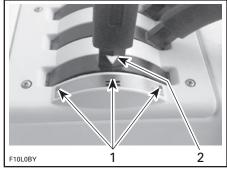
NOTE: 4 short beeps will signal that shifter is not in neutral (with the safety lanyard on the DESS post while pressing one of the start/stop button). Thereafter, 1 short beep will confirm the neutral position (while shifting).



- 1. Throttle lever must be fully pulled back (idle speed) to shift
- 2. Forward
- 3. Neutral
- 4. Reverse

CAUTION: Do not force lever, insure throttle lever is in idle position.

NOTE: To ease shifter use, line up the shifter arrow with the appropriate dot (forward/neutral/reverse).



TYPICAL

- 1. Dots besides shifting position
- 2. Arrow on shifter

↑ WARNING

Shift lever should only be used when the engine is idling and craft is completely stopped.

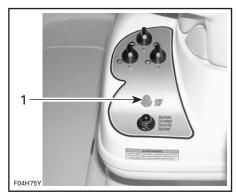
♠ WARNING

Only use reverse at slow speed and for the shortest time possible. Always ensure the path behind is clear of objects and persons including children playing in shallow water.

CAUTION: Never rev the engine at high RPM in reverse.

4) Start/Stop Button

Dual function push switch. Used to start as well as to stop engine.



TYPICAL — START/STOP BUTTON

1. Start/stop button

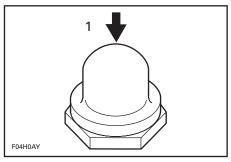
Starting

↑ WARNING

Engine exhaust fumes contain carbon monoxide (CO) which can accumulate in and around the boat (under bimini top, in cockpit, around transom, etc.). CO can be harmful or fatal if inhaled. Assure there is adequate ventilation whenever running engine(s).

Shifter must be in neutral position and the safety lanyard must be on the DESS post to allow starting engine.

To start engine, press and hold button. Release immediately after engine is started.



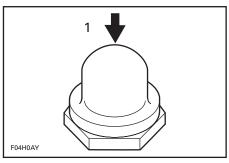
1. Start when engine is NOT running

Stopping

⚠ WARNING

While engine can be stopped by pressing the stop button, we strongly recommend the engine be stopped by removing the safety lanyard. This will instill good habits.

Pressing button when engine is running will stop the engine.



1. STOP when engine IS running

↑ WARNING

Directional control is not available when engine is stopped.

5) Navigation Light Switch

A 3-position NAV/OFF/ANC rotary switch.

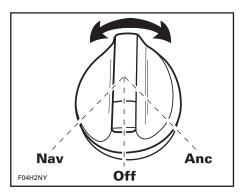
ANC: Turns on the anchorage light when the boat is anchored. Only the stern light is lit.

OFF: Turns off all lights.

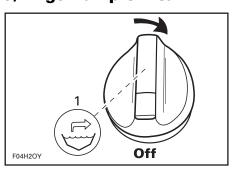
NAV: Turns on both bow and stern lights and illuminates the gauges.

⚠ WARNING

Navigation lights should always be used between sunset and sunrise. Ensure the stern light is installed. See REMOVABLE STERN LIGHT in this section for location and installation.



6) Bilge Pump Switch



1. Bilge

A 2-position OFF/bilge rotary switch.

Turn to bilge position when a manual operation is required (after cleaning, storage, etc.).

Turn it to OFF when finished.

CAUTION: Do not operate for prolonged time if the bilge is dry, battery drainage will occur.

The bilge pump may be operated without the safety lanyard on its switch.

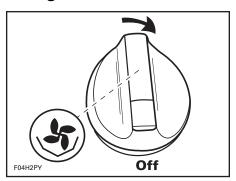
CAUTION: Ensure to always turn pump OFF when bilge is dry or before operating the engine above idle. Bilge pump will then switch to automatic mode.

Automatic Bilge Pump

An automatic bilge pump will evacuate water from the bilge. A water sensor detects the water which activates the pump. After the water is pumped out, the pump shuts-off automatically. This automatic mode is working at all times: with/without safety lanyard on DESS post and with/without engine running.

CAUTION: Bear in mind that when the main battery cut-off switch is turned OFF while craft is moored, the bilge pump will start if water comes up in the bilge.

7) Bilge Air Blower Switch



A 2-position OFF/blower rotary switch. When turned on, the blower ventilates the engine compartment.

⚠ WARNING

Always use blower for a minimum of 5 minutes prior to engine starting then, turn it OFF above idle speed. Use of the bilge blower should never replace "smelling" for gasoline vapors.

Using the bilge blower for a prolonged time when the engine is not running will discharge the battery.

Blower should be turned off during boat operation.

8) Fuel Gauge/Low Injection Oil Level Pilot Lamp

Fuel Gauge

Located in dashboard, the analog gauge continuously indicates the amount of fuel in fuel tank when engine is running.

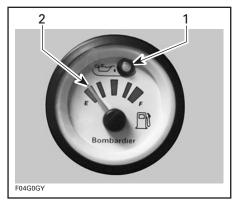
The gauge is illuminated whenever the navigation lights are used.

The fuel level can also be verified without having engine running. With the safety lanyard removed from its switch, push a start/stop button; the gauge will be activated for approximately 30 seconds.

Low Injection Oil Level Pilot Lamp

The pilot lamp turns on when the injection oil level is low in oil reservoir. Fill reservoir as soon as possible, if lamp remains ON contact an authorized dealer.

CAUTION: Never run engine out of oil. Serious engine damage will occur.



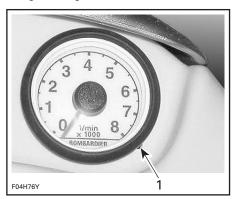
TYPICAL

- 1. Low injection oil level pilot lamp
- 2. Fuel level

9) Tachometer

Analog tachometer indicates the revolutions per minute (RPM) of the engine. Multiply reading by 1000 to obtain actual RPM.

The gauge is illuminated whenever the navigation lights are used.



TYPICAL

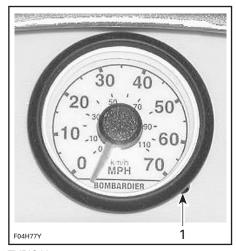
1. Tachometer

10) Speedometer

The analog speedometer indicates the speed of the sport boat in miles per hour (MPH) and kilometers per hour (km/h).

The gauge is illuminated whenever the navigation lights are used.

A speed sensor mounted on the left ride shoe sends the signal to the speed-ometer.



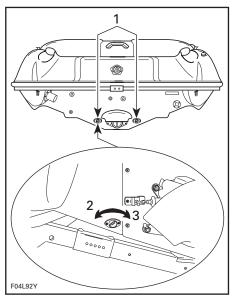
TYPICAL

1. Speedometer

11) Bilge Drain Plugs

Should water be left in the bilge, it can be easily drained by unscrewing the plugs.

Tilt the sport boat slightly to the rear so that the water can completely flow out of the bilge.



TYPICAL

- 1. Drain plug locations
- 2. Loosen
- 3. Tighten

12) Grab Handles

Grab handles provide a handhold for the passengers.

Although grab handles are provided, never perform maneuvers that place a passenger or the driver at risk for being ejected or thrown out of their seat.

CAUTION: Never use the grab handles to pull anything or to lift the craft.

Refer to components location illustrations at the beginning of this section for grab handles location.

13) Rear Grab Handles

Provide a handhold for boarding when needed.

CAUTION: Never use the grab handle to tow anything or to lift the craft.

14) Swim Platform

Provides an anti-skid surface for easy boarding from rear of craft.

↑ WARNING

Avoid serious personal injury or death. Turn off engine(s) before using swim platform. Keep people, clothing and hair away from jet nozzle(s) or intake grate(s) to avoid entanglement, drowning and carbon monoxide poisoning.

15) Seats

Each passenger should be seated while underway.

⚠ WARNING

Allow no one to sit on edge of boat or to stand up while in operation. Seat/grab handles should be used in rough waters.

16) Sun Seat

Located at front of craft, it is provided as a seat for when the boat is at rest or as a boarding step.

Use grab handles as necessary.

↑ WARNING

Not a seat. Do not use as a seat while underway.

17) Spotter Seat

Located on the port side, rearward facing, this seat is provided to be used by the observer when towing a skier.

Use grab handles as necessary.

⚠ WARNING

Always have an observer while towing a skier, proceed with only as much speed as required, and follow the observer instructions.

18) Cup Holders

Convenient locations for non-alcoholic beverages.

↑ WARNING

Do not drink alcoholic beverages while aboard. Do not keep bottles, cans etc. in cup holders while riding at speed and/or on rough water.

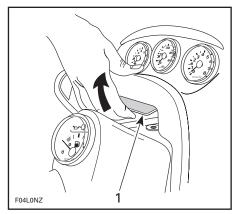
19) Front Storage Compartment

A convenient watertight, lockable storage compartment with a removable basket to carry personal articles. The basket is the ideal location for spare spark plugs, first aid kit, etc.

↑ WARNING

Never leave any heavy or loose breakable objects in the storage basket. Never operate the craft with the storage compartment cover open.

Pull the latch lever upward to unlock storage compartment cover. Lift cover until stopped by the retaining device. The cover will hold in this position on calm water.



TYPICAL

1. Pull latch lever upward

The basket is provided with a holder to store an approved fire extinguisher.

The fire extinguisher (sold separately) should not be loose in the storage compartment.

The *Operator's Guide* should be kept in a waterproof bag and remain with the sport boat at all times.

Do not remove the basket to have access to increased storage area.

Push cover down to release mechanism then move down slowly. When bottomed on latch, firmly push cover to lock.

Periodically verify the lock pin tightness of storage cover. Tighten if needed and make sure storage cover latches properly.

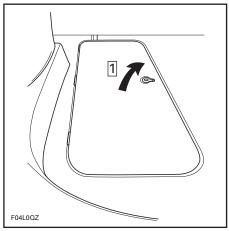
Never leave any heavy or loose breakable objects in the storage basket. Never operate the craft with the storage compartment cover open.



TYPICAL — SPOTTER SEAT COOLER

20) Deck Storage Compartment

The deck storage compartment is a convenient location for water-skis, paddles, anchor and rope, etc.

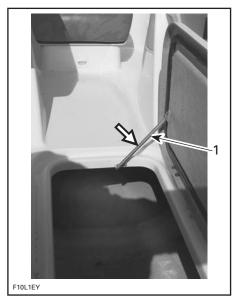


TYPICAL
Step 11: Pull latch and lift cover

Lift the latch ring and open cover gently until stopped by retaining spring.

When completely opened, the cover remains in that position on calm water.

To close, gently push on the side of the spring to release it and lower the cover.



1. Gently push here to release the spring

⚠ WARNING

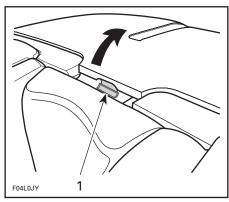
Never leave any heavy or loose breakable objects in the storage basket. Never operate the craft with the storage compartment cover open.

21) Rear Storage Compartment

Convenient rear storage location to be used to carry large personal articles. Ideal location for spare Personal Flotation Device (PFD), towels, lunch etc.

Pull the latch lever upward and open engine cover gently until stopped.

The gas assist cylinder will complete the opening and hold cover open.



TYPICAL

1. Pull latch lever upward

Storage Tray

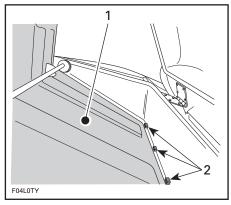
CAUTION: In order to avoid damage, MAXIMUM LOAD on storage tray must not exceed 22.5 kg (50 lb).

The storage tray is removable to give access to the engine compartment. Grab the handle and lift in a rearward movement until opposite holders release.

↑ WARNING

When storage tray is lifted or removed, never touch any electrical part when starting engines or while in operation. Never leave any object, rag, tool, etc., in the engine compartment or in the bilge.

When reinstalling storage tray, ensure to properly locate it just below holders, gently lower tray then push it downward to lock.



- 1. Rear storage compartment tray
- 2. Tray under holders

Firmly close storage compartment cover to relatch.

Never leave any heavy or breakable objects in the storage compartment. Never operate the craft with the rear storage compartment cover open.

22) Jet Pump Water Intake

The water is drawn up by the impeller through this opening. It minimizes entry of foreign objects into the propulsion system.

⚠ WARNING

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

23) Bow Light

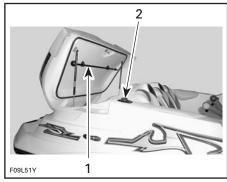
Mandatory red/green light. See LIGHT SWITCH as mentioned earlier in this section.

24) Removable Stern Light Socket

Mandatory stern white light.

It is recommended to keep it in rear storage compartment at all times except when needed.

To remove from storage cover, pull it out. Snap in place to store again.

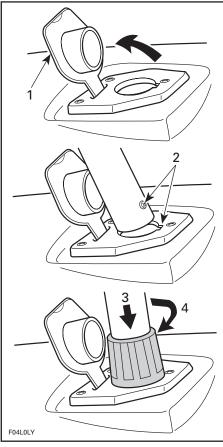


TYPICAL

- 1. Stern light storage location
- 2. Stern light operation position

Installation

- Lift connector cap.
- Insert post in connector hole. Ensure to align hole keyway with post screw head.
- Firmly push downward to engage terminals.
- Push lock ring downward. Turn until locked. It may be necessary to slightly turn it to allow its insertion in the hole.
- Check light operation. See LIGHT SWITCH as mentioned earlier in this section.



- Lift
- 2. Align screw in groove
- 3. Push downward
- 4. Turn to lock

CAUTION: Ensure dielectric grease is present in connector area of light to prevent corrosion.

25) Mooring Cleats

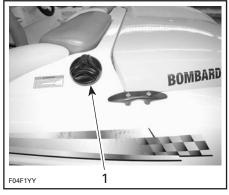
When mooring to a dock, it is recommended to secure with both front and rear cleats. The use of dock lines with sealed air fenders is recommended to protect your boat.

CAUTION: Never use mooring cleats to pull anything or to lift the sport boat.

26) Deck

Flat surface of boat, should be kept clean and clear.

27) Fuel Tank Cap



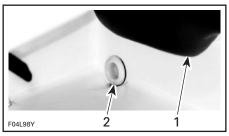
1. Fuel tank cap

Unscrew the cap counterclockwise to allow fuel tank filling. Fully tighten when finished.

Always stop the engine before refueling. Fuel is flammable and explosive under certain conditions. Always work in a well ventilated area. Do not smoke or allow open flames or sparks in the vicinity. Fuel tank may be pressurized, slowly turn cap when opening. Keep craft level. Do not overfill or top off the fuel tank and leave craft in the sun. As temperature increases, fuel expands and might overflow. Always wipe off any fuel spillage from the craft. Never use an open flame to check fuel level.

28) Deck Drain

It provides drainage of water from rain, deck washing, water splashing, etc. Keep clean to avoid clogging.



TYPICAL

- 1. Driver's seat
- 2. Deck drain

29) Injection Oil Tank Cap

The cap is located under the rear storage compartment cover on port side.



1. Injection oil tank cap

Unscrew cap by turning counterclockwise and firmly tighten by turning clockwise. Close cover. Refer to FUEL AND LUBRICATION for injection oil specification.

↑ WARNING

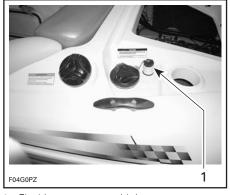
Add oil to level mark. Do not overfill. Reinstall cap and fully tighten.

30) Flushing Connectors

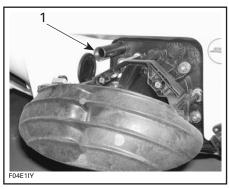
Refer to POST-OPERATION CARE section for proper use.

NOTE: Each engine is provided with a flushing connector onto jet pump support. Port connector is for port engine and starboard connector is for starboard engine.

For your convenience, there is an additional flushing connector under the rear storage compartment cover. Lift cover, the flushing connector is on the side of the storage compartment.



1. Flushing connector with its cap



1. Flushing connector at pump location

You may use the flushing connector at the location that you find more practical.

NOTE: When using upper flushing connector, hose pincher must be installed in engine compartment. this will avoid water from going out directly by the flushing connector on the jet pump. Refer to POST-OPERATION CARE section.

31) Ventilation Ducts

This is where air flows to supply engine and ventilate engine compartment. They should never be obstructed.

32) Bow/Stern Eyelets

Eyelets can be used for mooring, towing and as a tie-down point during transportation.



TYPICAL

1. Stern eyelet

33) Jet Pump Nozzle

Turns side to side via input from the steering wheel. This provides directional control when engine is running.

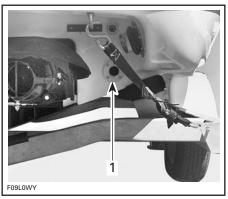
34) Reverse Gate

When selecting the neutral or reverse position with the shift lever, the reverse gate moves up or down to obtain the desired position.

Never use gate as a supporting point to board the craft. Shift lever should only be used when the engine is idling and craft is completely stopped.

35) Scupper Valve

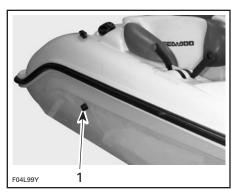
This is where water from deck drains out. Keep clean to avoid clogging.



TYPICAL

1. Scupper valve

36) Fuel Tank Vent



1. Fuel tank vent

It allows fuel vapors and pressure to escape from fuel tank.

↑ WARNING

Never use a lit match or open flame close to vent. Follow the FUELING PROCEDURE instructions in the FUEL AND LUBRICATION section.

37) Water Sport Towing Attachments

♠ WARNING

Engine exhaust fumes contain carbon monoxide (CO) which can accumulate in and around the boat (under bimini top, canvas enclosures, in cockpit, around transom etc.). CO can be harmful or fatal if inhaled. Assure there is adequate ventilation whenever running engine(s). Never allow individuals to "surf" behind your boat (hanging onto swim platform, surfing the wake) or be towed without an adequate length of tow rope.

Ski Post

This boat comes equipped with a ski post. Use this post or the ski tow hook to pull a water skier, tuber or wakeboarder.

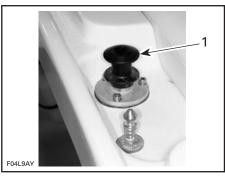
Pull up the post to attach a ski rope.



TYPICAL

1. Lift ski post to use

Push down when finished.



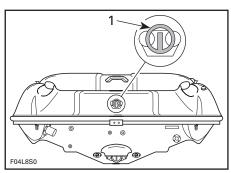
TYPICAL

1. Ski post position when not used

Always have one person other than the operator as an observer.

CAUTION: Never use the ski post or tow hook to tow other boats, or objects other than skiers, tubers or wakeboarders.

Ski Tow



TYPICAL

1. Ski tow hook

The hook is provided for your convenience.

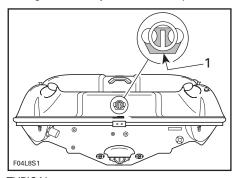
↑ WARNING

Riding when pulling a tube, skier or wakeboarder makes the craft handle differently and requires greater skill. Unless absolutely necessary, do not make tight, sharp turns. Keep a safe distance from the docks, other swimmers, craft or objects. Be advised that serious injury can result if the tow rope become slack during a tight turn or when circling. The rope could become wrapped around the neck or limbs of a person.

Thoroughly read the SAFETY section on water sports. Water sports are funfilled activities, but come with increased risk.

38) Cooling System Bleed Outlet

When engine is running, water must flow through this hole. This allows air in engine water jacket to escape.



TYPICAL

1. Bleed outlet

Start engine and check water flow at bleed outlet.

CAUTION: Should water not flow from the outlet a few seconds after engine starts, immediately stop engine and refer to POST-OPERATION CARE and look for COOLING SYSTEM FLUSHING or refer to an authorized dealer for servicing.

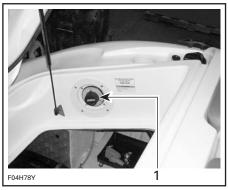
39) Main Battery Cut-Off Switch

The switch is located in the engine compartment, close to battery. It is provided to allow a complete cut-out of the electrical system.

When in OFF position, ALL electrical equipment and electronics will be OFF.

It must be in the ON position to allow the use of electrical components and to start the engine.

CAUTION: Stop engine before switching OFF.



TYPICAL — MAIN BATTERY CUT-OFF SWITCH

1. Main battery cut-off switch location

It is recommended to set in the OFF position whenever performing maintenance in the engine compartment, on the electrical system, when transportation or during short term storage.

CAUTION: Bear in mind that when the switch is turned OFF while craft is moored, the bilge pump will not start if water comes up in the bilge

Fuses

The electrical system is protected with fuses. Refer to MAINTENANCE section for details.

40) Cooler

Located in port on port side of craft behind spotter seat.

FUEL AND LUBRICATION

CAUTION: Scrupulously follow the instructions of this section. Failure to do so may reduce the engine's life and/or performance.

Fueling Procedure

⚠ WARNING

Follow these safe boating fueling instructions explicitly.

Turn off engine.

Tie craft securely to the fueling pier.

Use bilge blower for a minimum of 5 minutes.

Turn off bilge air blower, bilge pump and any other devices that could produce a spark.

Ensure engine cover is closed to prevent fumes from entering the engine compartment.

Disembark all people.

Do not smoke or allow open flames in the vicinity.

Have a fire extinguisher close at hand. Do not insert the spout too far in filler neck.

Pour fuel slowly so that air can escape from the reservoir and prevent fuel flowback.

Fill fuel tank to bottom of filler neck. Do not overfill.

Fully tighten fuel tank cap and wipe off any fuel spillage.

Before starting, ensure there are no fuel fumes in the engine compartment, ventilate using the blower as necessary.

↑ WARNING

Always stop the engine before refueling. Fuel is flammable and explosive under certain conditions. Always work in a well ventilated area. Do not smoke or allow open flames or sparks in the vicinity. Fuel tank may be pressurized. Slowly turn cap when opening. Keep craft level. Do not overfill or top off the fuel tank and leave craft in the sun. As temperature increases, fuel expands and might overflow. Always wipe off any fuel spillage from the craft.

Recommended Fuel

Use regular unleaded gasoline with 87 octane (Ron + Mon)/2 specification.

Outside North America use 90 RON.

Do not mix oil with fuel except at engine break-in. Refer to BREAK-IN PERIOD section. Always check oil injection reservoir level when refueling.

CAUTION: The use of a fuel other than regular unleaded fuel can result in craft performance deterioration and damage to fuel system and engine components. Never experiment with other fuels or fuel ratios. Never use fuel containing alcohol, methanol or similar products including naphtha.

Recommended Oil

CAUTION: Check oil level before every use. Add proper oil to level mark. Do not overfill. Reinstall cap and fully tighten. Always maintain a sufficient amount of injection oil in the oil reservoir. Check and refill every time you refuel. If the engine run out of oil, severe engine damage will occur. If the oil reservoir is allowed to almost empty, air can enter into the system and it must be bled. Immediately refer to an authorized dealer to have the oil injection system inspected.

Use only two-stroke engine injection oil sold by authorized Sea-Doo sport boats dealers.

MODEL	OIL TYPE
SPORTSTER LE DI ①	BOMBARDIER FORMULA XP-S DI synthetic injection oil (or equivalent)

① Bombardier formulation XP-S DI is specially formulated and tested for use in our 947 DI engines. Use of any other brand of two-stroke oil of lesser specifications may void the limited warranty. Use only Bombardier Formula XP-S DI (or equivalent).

BOMBARDIER injection oil is a special blend of basic oil additives especially selected to ensure unequalled lubrication, engine cleanliness and minimum spark plug fouling.

The BOMBARDIER FORMULA XP-S DI synthetic injection oil **provides superior lubrication**, reduced engine component wear and oil deposit, thus maintaining maximum-level performance and antifriction properties. This synthetic injection oil meets the latest ASTM and JASO standards by ensuring high biodegradability and low exhaust smoke.

Never use four-stroke petroleum or synthetic motor oil and never mix these with outboard motor oil. Do not use NMMA TC-W, TC-W2 or TC-W3 outboard motor oils or other ashless type two-stroke oil. Avoid mixing different brands of API TC oil as resulting chemical reaction may cause severe engine damage.

Oil Injection System

A sufficient amount of injection oil should be maintained in the reservoir. To check, open rear storage cover then lift and hold the tray. Oil level is visible through the translucent reservoir.

The use of a funnel is recommended to pour the oil into the reservoir. Stop filling as soon as oil appears at approximately 13 mm (1/2 in) from top of reservoir. Do not overfill. Wipe off any oil spillage.

NOTE: Always carry a spare 1 liter of injection oil.

BREAK-IN PERIOD

CAUTION: Scrupulously follow the instructions of this section. Failure to do so may reduce the engine's life and/or performance.

Engine

With Bombardier-Rotax® sport boat engines, a break-in period is required before operating the engine at full throttle. We recommend about 10 operating hours.

During this period, maximum throttle should not exceed 3/4, however, brief full acceleration and speed variations contribute to a good break-in. Continued wide open throttle accelerations, prolonged cruising speeds and overloading the engine is detrimental during the break-in period.

To assure additional protection during the initial break-in period, it is recommended to add 2 liters (1/2 gal) of the same oil as in the injection oil reservoir in the fuel tank. The oil should be added for the first full fuel tank filling only.

To add injection oil in the fuel tank, proceed as follows:

Fill fuel tank with approximately 50 liters (12 gal) of gasoline; then, add the required quantity of injection oil in the fuel tank.

NOTE: It is important to proceed in this order to allow a proper mixing of the oil in the gasoline. If oil is added first in an empty fuel tank, fuel lines will be filled up with injection oil leading in a no start condition of the engine(s).

CAUTION: Remove and clean spark plugs after engine break-in.

10-Hour Inspection

It is highly recommended that after the first 10 hours of operation, the sport boat be checked by an authorized dealer. This inspection will also provide the opportunity to discuss any unanswered questions you may have encountered during the first hours of operation.

The 10-hour inspection is at the expense of the sport boat owner.

10-HOUR INSPECTION CHECK LIST		
Engine ignition timing if required		
Spark plug inspection, cleaning and adjustment		
Fuel system lines and fasteners/pressurization test		
Throttle cable adjustment if required		
Oil lines and filter		
Oil injection pump adjustment if required		
Engine support and engine rubber mounts		
Muffler, battery and reservoir fastening devic	es	
Exhaust system hose clamps torque		
Steering system and low-speed steering con-	trol system	
Steering cable adjustment if required		
Shifter cable adjustment if required		
Ensure that throttle lever keeps the selected Adjust lever tension as necessary	position.	
Hose condition and fasteners		
Bilge pump and bilge blower		
DESS system and start/stop buttons operation	n	
Monitoring beeper		
Electrical connections (starter, battery, etc.)		
Lighting system inspection		
Impeller shaft reservoir oil replacement		
Torque jet pump retaining nuts		
Impeller condition, impeller/wear ring clearance		
PTO flywheel lubrication		
Water intake grates/hull condition		
Inspection of fasteners for tightness		
Inspect/clean engine drain tube		
We recommend that this inspection ch	art be signed by an authorized d	ealer.
Date of 10-hour inspection	Authorized dealer signature	
Dealer code		

54 _____

PRE-OPERATION CHECKS

↑ WARNING

The pre-operation check is very important prior to operating the vehicle. Always check the proper operation of critical controls, safety features and mechanical components before starting. If not done as specified here, severe injury or death might occur. Bring all safety equipment required by local laws.

Some of the following items may not have been previously covered in this guide, however they will be described in the MAINTENANCE or SPECIAL PROCEDURES section. Please refer to these portions to have more detailed information.

↑ WARNING

Engine should be off and the safety lanyard must always be removed from its switch prior to verifying any of the following. Only start craft once all items have been checked and operate properly.

SUMMARY

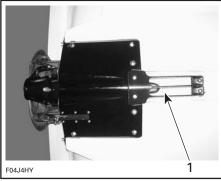
ITEM	OPERATION	1
Hull	Inspect.	
Jet pump water intake	Inspect/clean.	
Bilge	Drain. Ensure plug is secured.	
Battery	Inspect tightness of cables and retaining straps and verify charge.	
Main battery cut-off switch	Ensure it is in the ON position.	
Navigation lights	Check operation.	
Fuel/oil reservoirs	Refill.	
Engine compartment	Verify fuel/oil system components and levels.	
Fire extinguisher	Inspect condition/mounting.	
Steering	Check operation.	
Throttle/shifter system	Check operation.	
Bilge blower and bilge pump	Check operation.	
Safety lanyard/engine start/stop button	Check operation.	
Mandatory safety boating equipment	Check operation.	
Storage compartment covers	Ensure they are closed and latched.	

Hull

Inspect hull for cracks or damage.

Jet Pump Water Intake

Remove weeds, shells, debris or anything else that could restrict the flow of water and damage the cooling system or propulsion unit. Clean as necessary. If any obstruction can not be removed, refer to an authorized dealer for servicing.



TYPICAL

1. Inspect this area

Inspect leading edges of the impeller, if it has nicks or bends, performance will be greatly reduced.

Bilge

Should water be present in the bilge, turn on pump switch to completely empty the bilge.

↑ WARNING

Make sure drain plugs are properly secured prior launching the craft in water.

Battery

MARNING

Verify tightness of battery cables to their posts and condition of retaining straps/fasteners. Remove battery from boat before charging. Do not overcharge battery. Improper charging of battery can cause explosion.

Fuel Tank/Oil Reservoir

With the craft horizontal, fill the fuel tank.

Check the oil level and refill reservoir as necessary.

Check fuel tank/oil reservoir's retaining straps/fasteners.

Engine Compartment

⚠ WARNING

Should any leak or gasoline odor be present, do not start the engine. Consult an authorized dealer.

Fire Extinguisher

Make sure it is full, in good condition and well secured.

Steering System

Assisted by another person, check steering operation for free movement. When the steering is centered, the jet pump nozzle should be in the straight ahead position. Ensure the jet pump nozzle pivots easily while steering is turned.

⚠ WARNING

Check steering and corresponding steering nozzle operation before starting.

Throttle System

Check throttle lever for free and smooth operation.

Shifter System

Check reverse gate operation for free movement. With shift lever in forward position, the gate must be in upward position. With the shift lever in neutral position, gate must be in middle position. With shift lever in reverse position, gate must be in downward position.

∧ WARNING

Verify the reverse gate lock.

Safety Lanyard and Engine Start/Stop Button

Ensure that switch operates properly.

MARNING

Only start craft once all items have been checked and operate properly.

Storage Compartment Covers

Ensure they are closed and latched.

OPERATING INSTRUCTIONS

⚠ WARNING

Always perform PRE-OPERATION CHECKS before operating the craft. Become thoroughly familiar with all controls and the function of each. Should any control or instruction be not fully understood, refer to an authorized Sea-Doo dealer.

Launching/Loading

CAUTION: Before launching the craft, ensure the main battery cut-off switch is turned ON and the bilge plugs are fully screwed in place.

Ensure the bilge plugs are fully screwed in place and the main battery cut-off switch is turned ON.

When finished with loading the boat on trailer, it is suggested to turn the main battery cut-off switch to OFF.

After loading the craft, ensure the main battery cut-off switch is turned OFF and the bilge drain plugs are removed to drain bilge.

Trailering

Refer to the trailer instructions for proper capacity, operation, maintenance, accessories and warranty.

Check the regulations in your area concerning towing a trailer, especially the following rules:

- brake system
- tow vehicle weight
- mirrors.

NOTE: An optional brake system is available for your trailer, see an authorized Sea-Doo dealer.

Take the following precautions when trailering the craft:

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

- Remove stern light (if installed).
- Ensure that ski post is pushed down.
- Ensure all storage compartment covers are properly latched.
- A Sea-Doo cover can protect the craft, particularly before driving on dirt roads, to prevent dirt entry through the air intake opening(s).

Observe trailering safety precautions.

Principle of Operation Propulsion

The engine is directly coupled to a drive shaft which, in turn, rotates an impeller. This impeller is accurately adjusted in a housing where the water is drawn up from underneath the sport boat. Then, the water flows through the impeller to a venture. The venture accelerates the water and produces thrust to move the sport boat. Pushing the throttle lever forward increases engine speed and therefore sport boat speed.

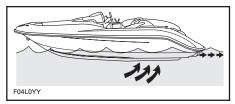
With shift lever pushed forward, the sport boat moves forward. In pulled back position, the sport boat moves backward. The middle position is neutral and the sport boat is at the minimum thrust for most conditions. Neutral and reverse are achieved by means of a gate, which is installed on jet pump venture housing. This gate directs the water flow to obtain the desired direction.

↑ WARNING

When the craft is in neutral position, the impeller is turning.

↑ WARNING

Shift lever should only be used when the engine is idling and craft is completely stopped.



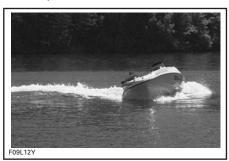
TYPICAL

↑ WARNING

Whenever an engine is to be started, the operator and passengers should always be sitting in the craft with the shiftier lever in neutral position and throttle lever in idle position.

Steering

Turning the steering pivots the jet pump nozzle (which control the sport boat direction. Turning the steering clockwise will turn the sport boat to the right and inversely.



TYPICAL

Above idle speed, the throttle must be applied to turn the sport boat.

↑ WARNING

Throttle must be advanced and steering turned to change the direction of the craft at speed. Steering efficiency will differ depending on the number of passengers, load and water conditions.

Your boat 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 practice.

Turning when Using the Reverse

The sport boat behaves differently when using the reverse. The steering response is the opposite of forward operation. So, turning the steering clockwise will turn the sport boat to the left and inversely. Use throttle moderately. Too much RPM will create water turbulence and reduce reverse efficiency. At first outing, carefully practice this maneuver away from anything you might collide.

Low-Speed Steering Control System

Whenever the throttle lever is in IDLE position AND the steering wheel is approaching the end of its rotation, the engine speed will be slightly accelerated to increase the jet pump thrust. This aids steering control for low-speed navigation or when approaching/leaving a dock. For docking tips, refer to STOPPING/DOCKING section below.

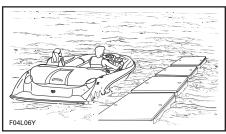
↑ WARNING

Become fully familiar with this feature during your first ride and before carrying passengers.

Boarding from a Dock

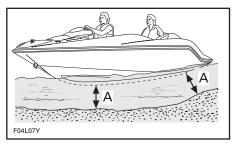
As with any boat, boarding should be done carefully and engine must not be running.

When boarding from a dock, slowly place one foot on the sport boat deck nearest to the dock and then move the other foot inside the boat. Push the sport boat away from the dock.



TYPICAL

CAUTION: Although the boat requires only 30 cm (1 ft) of water to float, the engine(s) should be started with at least 90 cm (3 ft) of water below the hull to protect the propulsion system.



TYPICAL
A. 90 cm (3 ft)

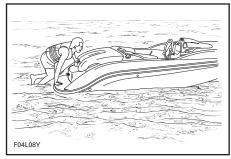
Boarding from the Water

♠ WARNING

Inexperienced riders should practice how to get aboard close to shore first before venturing into deep water.

Swim to the rear of the sport boat.

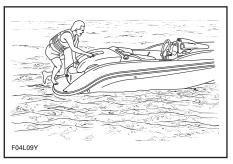
Grip the grab bar and pull yourself upward until your knee can reach the swim platform.



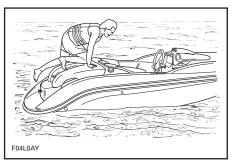
TYPICAL

⚠ WARNING

Avoid serious personal injury or death. Turn off engine(s) before using swim platform. Keep people, clothing and hair away from jet nozzle(s) or intake grate(s) to avoid entanglement, drowning and carbon monoxide poisoning.



TYPICAL



TYPICAL

Starting

↑ WARNING

Engine exhaust fumes contain carbon monoxide (CO) which can accumulate in and around the boat (under bimini top, canvas enclosures, in cockpit, around the transom, etc.). CO can be harmful or fatal if inhaled. Assure there is adequate ventilation whenever running engine(s).

⚠ WARNING

Always activate bilge blower 5 minutes minimum before starting the engine. The bilge blower will ventilate the bilge. Turn off blower when operating boat.

MARNING

Do not touch electrical parts or jet pump area when engine is running.

Attach the safety lanyard to your PFD and snap the cap to its switch before starting the engine.

NOTE: If you hear some beeper signals other than 2 short beeps, it indicates a particular condition that must be corrected. Refer to the TROUBLE-SHOOTING section for the meaning of the coded signal.

Grip steering wheel with your right hand and place both feet on the floorboard. Start engine.

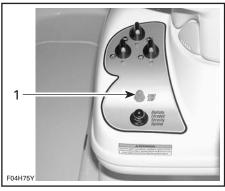
Check tachometer to monitor engine.

♠ WARNING

Before starting, the operator and passengers should always be properly seated.

Fully pull back throttle lever to idle position.

Depress the starting button.



1. Start/stop button

Immediately after engine is started, release start/stop button.

NOTE: Do not push the throttle lever forward while starting engine.

CAUTION: To avoid starter motor overheating, the cranking period should not exceed 5-10 seconds and a rest period of 30 seconds should be observed between cranking cycles to let the starter cool down and its mechanism disengage.

Leaving the Shore

With throttle lever at idle, move shifter to forward.

Slowly accelerate to reach deeper water. Do not apply full throttle until the engine is warm.

↑ WARNING

In shallow water, shells, sand, pebbles or other objects could be drawn up by the jet pump and be thrown rearward.

Rough Water or Poor Visibility Operation

Avoid operation in these conditions. If you must do so, proceed with caution and prudence using minimum speed. Turn on navigation lights if necessary.

Crossing Waves

Reduce speed. Always be prepared to steer and balance as necessary.

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

↑ WARNING

When crossing wakes, slow down. Operator and passenger(s) can brace themselves by posting. Do not jump waves or wakes or execute tight turning movements that put passengers at risk for ejection or injury.

Stopping/Docking

The sport boat is slowed by water drag. The stopping distance will vary depending on weight, speed, water surface condition, presence and direction of wind and current.

The operator should become familiarized with the stopping distance under different conditions.

Reduce speed to idle. Shift to neutral, reverse or forward as required when approaching a dock then shut off the engine(s) just before coming along-side.

↑ WARNING

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

Low-Speed Steering Control System

Reducing RPM to **IDLE** activates the low-speed steering control feature as described previously. For more details, refer to LOW-SPEED STEERING CONTROL SYSTEM in TURNING section above.

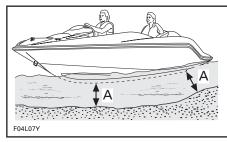
With practice, you can use this feature to assist docking maneuvers.

When close to the dock, shut off the engine.

Beaching

CAUTION: It is not recommended to run the sport boat to the beach.

Come slowly to the beach and shut off the engine using the safety lanyard when water depth is 90 cm (3 ft) under the hull, then pull the boat to the beach. Ensure that all accessories are OFF.



A. 90 cm (3 ft) of water under the hull

MARNING

In shallow water, shells, sand, pebbles or other objects could be drawn up by the jet pump and be thrown rearward.

As necessary, the cooling system should be flushed before restarting. To remove sand or shell accumulation which may clog the water passages. Refer to POST-OPERATION CARE and look for COOLING SYSTEM FLUSHING.

Shutting Off the Engine

To shut off the engine, completely pull back throttle lever then remove safety lanyard or press the engine start/stop button.

Always remove safety lanyard from DESS post.

↑ WARNING

Should the engine be shut off, sport boat directional control is not available. Never leave the safety lanyard connected on its post when craft is not in operation to avoid unauthorized use by children or accidental starting.

POST-OPERATION CARE

Allow engine to cool before performing any maintenance.

General Care

Should water be present in the bilge after use of bilge pump, unscrew the drain plug and tilt the sport boat to the rear in order to allow water to drain.

Wipe up any remaining water in the engine compartment (bilge, engine, etc.) with clean dry rags. This is particularly important in salt water use.

Remove the sport boat from the water every day to prevent marine organisms growth.

Additional Care for Foul Water or Salt Water

When the sport boat is operated in foul water and particularly in salt water, additional care must be taken to protect the sport boat and its components. Rinse trailer and boat's hull/bilge area with fresh water.

CAUTION: Failure to perform proper care such as: craft rinsing, cooling system flushing and anticorrosion treatment, when used in salt water, will result in damage to the sport boat and its components. Never leave the craft stored in direct sunlight.

Cooling System Flushing and Engine Internal Lubrication

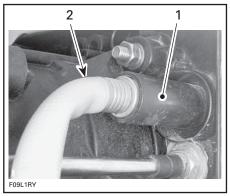
Flushing the cooling system with fresh water is essential to neutralize corroding effects of salt or other chemical products present in water. It will help to remove sand, salt, shells or other particles in water jacket engine, exhaust manifold, tuned pipe and/or hoses.

Engine lubrication and flushing should be performed when the sport boat is not expected to be used further the same day or when the sport boat is stored for any extended time.

Proceed as follows:

Perform this operation in a well ventilated area.

- 1. Clean jet pump by spraying water in its inlet and outlet.
- Connect a garden hose directly to the pump support flushing connector, as shown in the next photo. Do not open the water tap yet.



TYPICAL

- 1. Pump support flushing connector
- 2. Garden höse plugged

NOTE: Either of the flushing connectors can be used. The one on the pump support(, or the upper one in the engine compartment area.

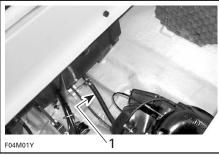
Use of the Upper Flushing Connector



TYPICAL

1. Flushing connector with its cap

When using the upper connector, it is necessary to prevent water going out directly by the connector on the pump support. Install a hose pincher (not supplied) (P/N 529 032 500) on the hose between the transom and the T-fitting as shown.



TYPICAL

1. Pinch outlet hose between T-fittings

Continuing the Flushing

3. Start the engine then immediately open the water tap.

⚠ WARNING

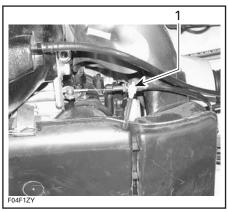
Do not touch any electrical parts or jet pump area when engine is running.

CAUTION: Never flush a hot engine. Always start the engine before opening the water tap. Otherwise, water will back flow through the tuned pipe into the engine and may cause damage to internal parts. Open water tap immediately after engine is started to prevent overheating.

4. Run the engine about 3 minutes at a fast idle around 3500 RPM.

CAUTION: Never run engine longer than 5 minutes. Drive line seal has no cooling when sport boat is out of water.

5. Pull out air intake silencer plug.



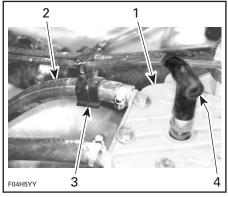
- Air intake silencer plug (spray Bombardier Lube here)
- Spray Bombardier Lube lubricant keeping engine at fast idle during one minute.
- 7. Close the water tap then stop the engine.
- 8. Remove hose pincher.
- 9. Replace air intake silencer plug.

CAUTION: Always close the water tap before stopping the engine.

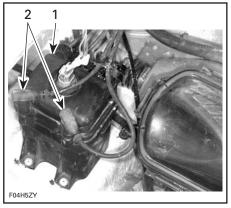
NOTE: For storage, engine should be run out of fuel while lubricating by turning the fuel valve to OFF position.

CAUTION: When engine begins to run irregularly because of fuel starvation, immediately stop water flow before engines dies.

- 10. Disconnect the garden hose. Ensure the rubber washer remains in boat's connector (upper connectors).
- 11. Remove spark plug cables and detach holding bracket from cooling hose.



- 1. Engine head
- Cooling hose
 Detach bracket holding spark plug cables
- 4. Remove spark plug cables
- 12. Connect spark plug cables to the grounding device of the electrical hox.



TYPICAL

- 1. Electrical box
- 2. Connect spark plug cables to grounding devices

- 13. Remove both spark plugs and spray Bombardier Lube lubricant into each cylinder.
- 14. Crank the engine a few turns to distribute the oil on cylinder wall.
- 15. Apply anti-seize lubricant on spark plug threads then reinstall them.
- 16. Reinstall plug on air intake silencer cover.
- 17. Properly reconnect spark plug cables to spark plugs.
- 18. Wipe up any residual water from the engine.

Anticorrosion Treatment

To prevent corrosion, spray a corrosion inhibitor (salt water resistant) such as Bombardier Lube lubricant or equivalent over metallic components in engine compartment.

NOTE: Engine fogging should be done with Bombardier Lube lubricant whenever the sport boat is to be stored for few days or a long period.

Apply dielectric grease (salt water resistant) on battery posts and cable connectors.

CAUTION: Never leave rags or tools in the engine compartment or in the bilge.

SPECIAL PROCEDURE

Engine Overheating

CAUTION: If the monitoring beeper continuously sounds, **stop engine immediately**.

Perform the JET PUMP WATER INTAKE AND IMPELLER CLEANING procedure in this section.

Flush cooling system, refer to POST-OPERATION CARE.

If engine still overheats, refer to an authorized dealer for servicing.

Jet Pump Water Intake and Impeller Cleaning

↑ WARNING

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

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 sport boat 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 engine, a clogged intake will cause the engine to overheat and damage engine internal components.

The clogged area can be cleaned as follows:

In-water cleaning: Pull safety lanyard to stop engine. Let the boat stop by itself. Wait a while to allow weeds or other debris to escape from grate. Thereafter, start engine. It may be necessary to repeat the procedure.

In severe conditions if the above method does not work, the following can be performed:

- With engine running, put shift lever in reverse position and vary throttle quickly several times.
- Retry boat.

Most of the time, debris will escape from the propulsion system.

Out of water cleaning: If the system is still clogged, shut off the engine by removing the safety lanyard.

↑ WARNING

Always remove safety lanyard from switch to prevent accidental engine starting before cleaning the jet pump area.

From underneath boat, manually clean water intake area. If the system is still clogged, refer to an authorized dealer for servicing.

CAUTION: Avoid sport boat operation in weeded areas. If unavoidable, vary sport boat speed. Weeds tend to entangle more at steady and slow speeds. Inspect water intake grate for damage. Refer to an authorized dealer for repair as necessary.

Capsized Boat

The sport boat is designed so that it should not turn over easily due to its long and wide dimensions. If the sport boat ever capsizes, remember that it will continue to float. It is usually best to remain with it, you will be more easily located by others.

↑ WARNING

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

Submerged Boat

M WARNING

DO NOT attempt to restart engine. See an authorized dealer as soon as possible to service the engine.

Flooded Engine

In the event the engine cannot be serviced within a few hours, remove spark plug cables and connect them on the grounding device.

♠ WARNING

Never crank engine with spark plugs removed unless spark plug cables are connected to the grounding device.

Remove spark plugs and dry them with a clean and dry cloth.

Cover spark plug holes with a rag.

Crank engine for approximately 10 seconds to allow water to escape from spark plug openings.

Spray Bombardier Lube lubricant into spark plug holes.

Crank engine again.

Reinstall spark plugs.

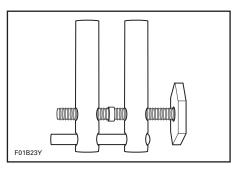
Start engine normally.

Towing the Boat in Water

In the event the sport boat becomes inoperative, tie a tow rope to the bow (front) eyelet. However, special precautions should be taken.

The maximum recommended towing speed is 24 km/h (15 MPH).

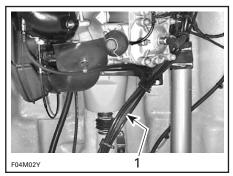
When towing your boat in water, pinch the water supply hose from the jet pump housing to the engine with a hose pincher (not supplied) (P/N 529 032 500) shown in the following illustration.



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

CAUTION: Failure to do this may result in damage to the engine. If you must tow a stranded boat in water and do not have hose pincher be sure to stay well below the maximum towing speed of 24 km/h (15 MPH).

Snugly install the hose pincher on the hose as shown in the following photo.



TYPICAL

1. Pinch water supply hose (large one) here

CAUTION: When finished towing the boat you must remove the hose pincher before operating it. Failure to do so will result in damage to the engine.

Low-Charge Battery Condition

↑ WARNING

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

MAINTENANCE INFORMATION

MAINTENANCE

Emission Component Maintenance

Maintenance, replacement, or repair of the emission control devices and systems may be performed by any marine SI (spark ignition) engine repair establishment or individual.

- ⚠ Only perform servicing procedures which are detailed in this guide. Further assistance or information can be obtained from your authorized Sea-Doo dealer. In many instances proper tools and training is required for certain servicing or repair procedures.
- ▲ Maintain the craft and equipment in top condition at all times. Adhere to the prescribed maintenance schedules. An annual inspection of the craft is always a good recommendation that should be followed.
- ⚠ The bilge must be kept clean of oil, water or other foreign materials.
- ▲ Do not attempt to lift the craft without special equipment and training.
- ⚠ The engine and the corresponding components identified in this guide should not be utilized on product(s) other than for those they were designed. Maintenance procedures and specified tightening torque must be strictly adhered to. Never attempt repairs unless the appropriate tools are available. These craft are designed with parts dimensioned in both the metric and the imperial systems. When replacing fasteners, make sure to use only those recommended by Bombardier. If required, contact your authorized Sea-Doo dealer for further servicing information.
- ▲ Operate your craft prudently and have fun. Don't forget that all persons must assist other boaters in an emergency.

Engine Emissions Information

Manufacturer's Responsibility

Beginning with 1999 model year engines, manufacturers of marine engines must determine the exhaust emission levels for each engine horse-power 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 vehicle at the time of manufacture.

Dealer's Responsibility

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

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

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

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

Owner Responsibility

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

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

EPA Emission Regulations

All new 1999 and more recent Sea-Doo sport boats manufactured by Bombardier are certified to the EPA as conforming to the requirements of the regulations for the control of air pollution from new sport boat 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 the following locations:

VIA U.S. POSTAL SERVICE:

Office of Mobile Sources
Engine Programs and Compliance
Division
Engine Compliance Programs
Group (6403J)
401 M St. NW
Washington, DC 20460

VIA EXPRESS or COURIER MAIL:

Office of Mobile Sources Engine Programs and Compliance Division Engine Compliance Programs Group (6403J) 501 3rd St. NW Washington, DC 20001

EPA INTERNET WEB SITE:

www.epa.gov

↑ WARNING

Only perform procedures as detailed in this guide. It is recommended that the assistance of an authorized Sea-Doo dealer be periodically obtained on other components/ systems not covered in this guide. Unless otherwise specified, engine must not be running, the safety lanyard must be removed from its post and the main battery cut-off switch must be turned OFF for all maintenance procedures. Never use jet pump components to lift the sport boat. Certain components in the engine compartment may be very hot. Direct contact may result in skin burn. When operating the engine while the sport boat is out of the water, the heat exchangers may become very hot. Avoid any contact with heat exchangers as burns may occur.

NOTE: Where applicable, maintenance procedure applies for both engine systems.

Lubrication

IMPORTANT: DO NOT lubricate safety lanyard post. This will prevent proper electrical contact.

PTO Flywheel

Use Sea-Doo synthetic grease and lubricate as follows:

Open rear storage compartment cover.

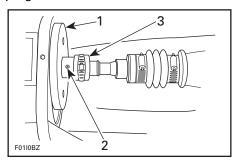
Remove storage tray.

Loosen the wing nuts, washers and pull out PTO flywheel guard.

↑ WARNING

Always remove safety lanyard cap from its receptacle to prevent accidental engine starting before removing the PTO flywheel guard. Using a grease gun, carefully lubricate PTO flywheel at grease fitting until drive shaft boot begins to expand.

CAUTION: Immediately stop lubricating as soon as boot begins to expand to prevent boot damage or slipping.



- 1. PTO flywheel
- 2. Grease fitting
- 3. Drive shaft boot

Reinstall and secure PTO flywheel guard.

Anticorrosion Protection

Throttle Cable

Lubricate the throttle cable with Bombardier Lube lubricant every 25 hours of use (every 10 hours in salt water use).

Electrical Connections

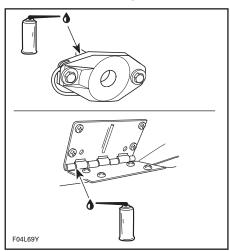
As necessary, apply dielectric grease on battery posts and all exposed cable connectors including stern light connectors on mat and boat.

Additional Lubrication

Bombardier Lube lubricant will help to prevent corrosion and keep proper operation of moving mechanisms.

Lubrication of the following items should be performed every 50 hours in fresh water use but every 10 hours in salt water use.

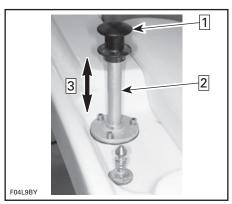
Rear Storage Compartment Cover Mechanism and Hinges



TYPICAL

Ski Post

Lubricate ski post through all its length. Pull out then push in several times to distribute the lubricant.



Step 1: Lift ski post to lubricate

Step 2: Lubricate here

Step 3: Move post up and down several times to distribute lubricant

Reverse Gate

Lubricate pivoting points and mechanism.

Rear Storage Compartment Cover Cylinders

Lubricate rod of cylinders.

Periodic Inspection

Routine maintenance is necessary for all mechanized products. A periodic inspection contributes to the products life span.

The Periodic Inspection chart at the end of this document gives guidelines for regular sport boat servicing schedule to be performed by you and/or by an authorized dealer. The schedule should be adjusted according to operating conditions and use.

Throttle Cable

Move the throttle lever forward and rearward. It must operate smoothly. Refer to an authorized dealer if adjustment is necessary.

Do not alter or tamper with throttle cable adjustment or routing.

Fuel and Oil Filters

These filters must be replaced by an authorized dealer annually. Fuel system pressurization should be conducted at the same time.

CAUTION: An obstructed oil filter will cause oil starvation resulting in serious engine damage.

Steering/Jet Pump Nozzle Adjustment

When the steering is aimed in straight ahead position, the jet pump nozzle should be in the same direction to allow the sport boat to run in a straight line.

Refer to an authorized dealer if an adjustment is necessary.

MARNING

Ensure the steering/jet pump nozzle operates freely from side to side and is not stressing the steering cable.

Reverse Gate

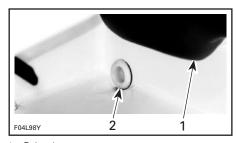
When shift lever is in forward position, reverse gate should be in an upward position and locked. With the shift lever in neutral position, reverse gate should be in intermediate position. When shift lever is in reverse position, reverse gate should be in downward position. Refer to an authorized dealer if an adjustment is necessary.

♠ WARNING

Ensure the shifter/reverse gate operates freely and is not stressing the reverse cable.

Deck Drain

Remove any obstruction from deck drain outlet.



1. Driver's seat 2. Deck drain hole

Fuses

Accessories, Engine Electrical System and Gauges

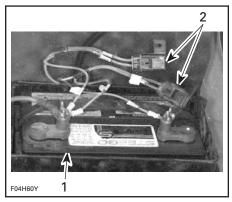
If a fuse is defective, replace by one of the same rating.

♠ WARNING

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

If nothing at all is working, check main fuses located close to battery in engine compartment.

NOTE: There are spare fuses in rubber holders attached to the top of MPEM.

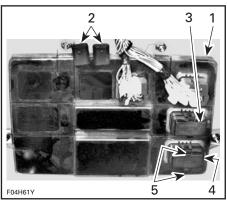


TYPICAL

- 1. Battery
- 2. Main fuses

If an accessory, engine or gauge is not working, check its fuse condition.

Fuses for the accessories, the electrical system of the engine and the gauges are mounted on the Multi-Purpose Electronic Module (MPEM), which is located in the engine compartment.



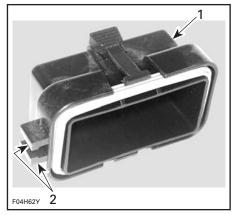
TYPICAL

- 1. MPEM
- 2. Spare fuse holders
- Top fuse block
- 4. Böttom fuse block
- 5. Locking tabs

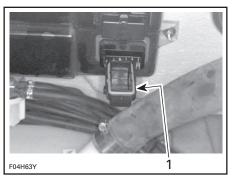
A decal on the MPEM shows the rating, position and identification of the fuses.

Squeeze cover locking tabs and pull cover out to access fuses.

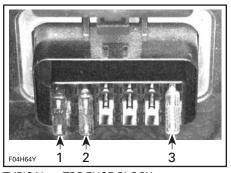
Use the cover tabs to remove the fuse.



- 1. Fuse block cover
- 2. Use these tabs as a fuse puller

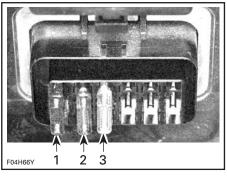


 Slide cover tabs each side of fuse then pull fuse out



TYPICAL — TOP FUSE BLOCK

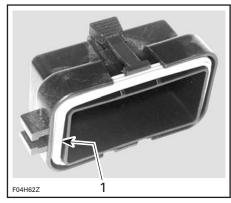
- MPEM supply
- 2. Gauges supply
- 3. Bilge pump



TYPICAL — BOTTOM FUSE BLOCK

- 1. Bilge air blower
- 2. Additional accessories
- 3. Navigation lights

When finished, ensure to properly place seal in cover.



1. Properly place seal in cover

Carefully position cover on fuse block then firmly push until you hear a snapping sound for each locking tab.

Charging System

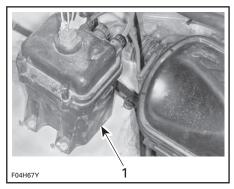
If the battery is regularly discharged, check this fuse condition.

Fuses for the charging systems are located in the small electrical box in the engine compartment

Pull tabs outside one at a time while pulling out cover.

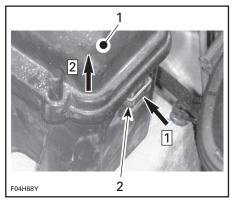
⚠ WARNING

If any water is found in the electrical box, immediately refer to an authorized dealer before operating the boat.



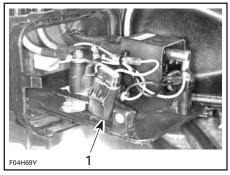
TYPICAL

1. Electrical box



Step 1: Push locking tab Step 2: Lift cover 1. Electrical box cover 2. Locking tab

Lift cover and turn it upside down to reach fuse.



INSIDE VIEW OF ELECTRICAL BOX COVER

1. Charging system fuse

When finished, ensure to carefully close electrical box cover so that seal is well positioned.

Bilge Air Blower

Verify bilge air blower for proper operation. It is located in starboard ventilation duct beneath rear storage compartment cover.



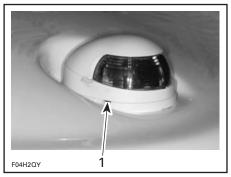
TYPICAL1. Blower

⚠ WARNING

If bilge blower does not operate properly, refer to an authorized dealer before starting the sport boat.

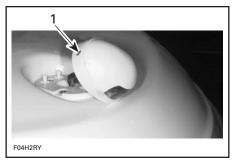
Navigation Light Bulb Replacement

Bow Light



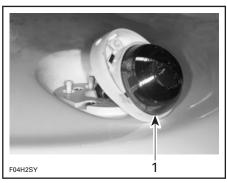
TYPICAL

1. Gently pry here with a screwdriver



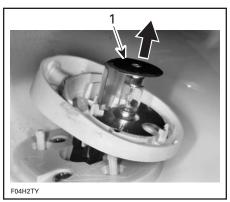
TYPICAL

1. Remove this screw



TYPICAL

1. Pull lens out



TYPICAL

1. Lift and remove bulb

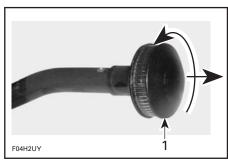
The assembly is essentially the reverse of removal procedures. However, pay particular attention to the following:

Apply dielectric grease on bulb contact surface.

When installing the bulb under the upper terminal plate, it is possible that the bulb remains loose. The cover will compress the terminal plate against the bulb at reinstallation.

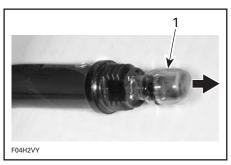
Stern Light

Unscrew lens counterclockwise and pull it out.



1. Unscrew then pull

Pull bulb to remove it.



1. Pull bulb out

Apply dielectric grease on new bulb contact surface.

The assembly is the reverse of removal procedure.

General Inspection and Cleaning

Inspection

Check engine compartment for any damage and fuel/oil injection systems for leaks. Also check battery for electrolyte leaks. Ensure all hose clamps are properly secured and no hose is cracked, kinked or presenting any other damage.

↑ WARNING

If at any time, gasoline leaks/odor are found, do not start the engine. Have the boat serviced by an authorized dealer.

Inspect mufflers, battery and reservoir fastening devices. Check electrical connections for corrosion and tightness.

Inspect hull and jet pump water intake grate for damage. Replace or have damaged parts repaired.

Cleaning

Twice a year, the bilge should be cleaned with hot water and detergent or bilge cleaner to remove any possible fuel/oil/electrolyte deposits and mildew.

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

CAUTION: Never clean fiberglass and plastic parts with strong detergent, degreasing agent, paint thinner, acetone, etc.

Wash windscreen with Bombardier cleaner (P/N 293 110 001 — 400 g) and water. For fine scratches and scuff marks removal, use a windshield polisher for acrylic, lucite, polycarbonate and similar materials.

Stains may be removed from seats and fiberglass with Knight's Spray-Nine* from Korkay System Ltd or the equivalent.

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

STORAGE AND PRE-SEASON PREPARATION

MARNING

Because fuel and oil are flammable, have an authorized Sea-Doo sport boat dealer inspect the fuel and oil systems integrity as specified in the PERIODIC INSPECTION CHART.

Storage

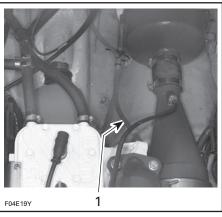
It is recommended that the sport boat be taken to an authorized dealer for proper storage but the following operations can be performed by you with a minimum of tools.

CAUTION: Do not run the engine during the storage period.

Engine Draining

Check engine drain tube. Make sure there is no sand or other particles in and that it is not obstructed so that water can exit the engine. Clean hose and fitting as necessary. Refer to POST-OPERATION CARE.

CAUTION: Water in engine drain tube must be free to flow out, otherwise water could be trapped in engine. Should water freeze in engine, severe damage will occur. Check engine drain tube for obstructions.



TYPICAL

1. Drain tube must be clean

Fuel System

Sea-Doo fuel stabilizer or equivalent, should be added to fuel tank to prevent fuel deterioration. Follow manufacturer's instructions for proper use.

⚠ WARNING

Fuel is flammable and explosive under certain conditions. Always work in a well ventilated area. Do not smoke or allow open flames or sparks in the vicinity. Always wipe off any fuel spillage from the sport boat.

Cooling System Flushing and Engine Internal Lubrication

Refer to procedure discussed in POST-OPERATION CARE.

Propulsion System

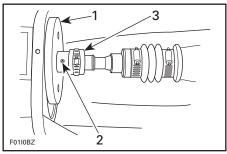
Lubricant in impeller shaft reservoir should be drained and reservoir cleaned. Refilled with Bombardier synthetic polyolester oil 75W90 GL5 type C gear lube, as per following table. Refer to an authorized dealer for this operation.

CAUTION: Use only Bombardier jet pump oil or equivalent synthetic gear oil, otherwise component service life could be reduced. Do not mix oil brands or types.

IMPELLER SHAFT RESERVOIR			
MODEL CAPACITY (mL)			
Sportster LE DI	115		

Lubricate PTO flywheel at grease fitting with synthetic grease.

CAUTION: Do not lubricate excessively. Immediately stop when a slight movement is noticed on rubber boot. Never leave any clothing, tool or other objects in the engine compartment.



- 1. PTO flywheel
- 2. Grease fitting
- 3. Drive shaft boot

Boat Cleaning/Repair

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

CAUTION: Never clean apparent fiberglass and plastic parts with strong detergent, degreasing agent, paint thinner, acetone, etc.

Stains may be removed from seats and fiberglass with Knight's Spray-Nine* from Korkay System Ltd or the equivalent.

If repairs are needed to the body or to the hull contact your dealer. For paint touch up to mechanical parts use Bombardier spray paint. For minor gelcoat repairs, a Bombardier repair kit is available. Replace damaged labels/decals.

Clean the bilge with hot water and detergent or with bilge cleaner. Rinse thoroughly. Unscrew drain plug and lift front end of sport boat to completely drain bilge.

Antifreezing Protection

In cool regions where freezing point temperature may be encountered, cooling system must be filled with water and antifreeze solution. (50% water, 50% antifreeze).

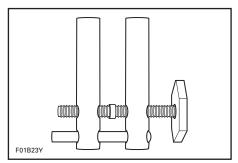
CAUTION: Antifreeze mix must be fed in cooling system. Otherwise water will freeze in engine/exhaust system causing severe damage.

NOTE: When available, it is recommended to use biodegradable antifreeze compatible with internal combustion aluminum engines.

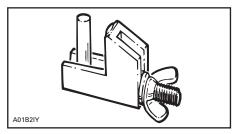
CAUTION: Always use ethylene glycol antifreeze containing corrosion inhibitors specifically recommended for aluminum engines.

NOTE: The engine will not have to run during this operation but should have been run before to exhaust water from cooling system components.

Some hoses have to be plugged to prevent draining before filling cooling system jackets with the antifreeze. Use hose pinchers (not supplied) (P/N 529 032 500) or (P/N 295 000 076).



TYPICAL — HOSE PINCHER (P/N 529 032 500)

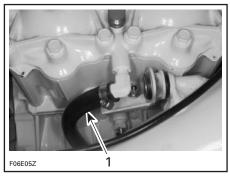


TYPICAL — HOSE PINCHER (P/N 295 000 076)

Air will escape from bleed hose on tuned pipe.

Install a hose pincher to engine drain hose.

Disconnect engine water supply hose from cylinder head, as shown in the next photo.



1. Disconnect engine water supply hose

Temporarily install one short piece of hose to engine water inlet fitting.

Insert a funnel into hose. Pour antifreeze mixed with water in the engine until the solution is visible in the water return hose.

Remove temporary hose and reconnect engine water supply hose to engine.

Remove hose pincher.

Most of the antifreeze will drain out when removing hose pincher. Use a container to recover it. Dispose antifreeze as per your local laws and regulations.

NOTE: Although antifreeze will mainly drain out, the antifreeze has flowed to mix with water that was possibly trapped in cooling system cavities and thus preventing freezing problems.

Care should be taken with a Rotax 947 engine since water partially remains inside engine and cannot be totally drained.

NOTE: For pre-season preparation, drain antifreeze from cooling system prior to launching boat in water as explained above.

Anticorrosion Treatment

Wipe off any residual water in the engine compartment.

Spray Bombardier Lube lubricant over metallic components in engine compartment.

Lubricate the throttle cable with Bombardier Lube lubricant.

Finalizing Storage Preparation

Apply a non abrasive wax to body.

The engine storage cover should be left partially opened during storage (detach the gas shocks from the cover to prevent full opening). Remove storage tray. Place it on deck. This will avoid engine compartment condensation and possible corrosion.

If the sport boat is to be stored outside, cover it with a vented opaque tarpaulin to prevent sun rays and grime from affecting the plastic components, sport boat finish as well as preventing dust accumulation.

CAUTION: Never leave the sport boat stored in direct sunlight. UV radiation will dull finishes. The sport boat must never be left in water for storage. Make sure to turn off main battery cut-off switch.

For the storage period, it is necessary to lift the bow up and safely block in this position so drainage can take place. Ensure the drain plug is unscrewed.

Pre-Season Preparation

Use the PERIODIC INSPECTION CHART at the end of this document and refer to the pre-season column.

Since technical skills and special tools are required, some operations should be performed by an authorized Sea-Doo dealer.

⚠ WARNING

Observe all WARNINGS and CAUTIONS mentioned throughout this guide which are pertinent to the item being checked. When component conditions seem less than satisfactory, replace with genuine BOMBARDIER parts or approved equivalents.

NOTE: It is highly recommended that an authorized Sea-Doo dealer perform the annual safety inspection and factory campaigns in addition to the preseason preparation all at the same time.

TROUBLESHOOTING

The following chart is provided to help in diagnosing the probable source of simple troubles. You may be able to solve many of these problems rather quickly, but others may require the skills of a mechanical technician. In such a case, consult an authorized dealer for servicing.

Nothing is Working in the Electrical System

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
No beeps are heard when installing safety lanyard on DESS post.	 Main battery cut-off switch is turned OFF. 	Verify and turn ON.

Monitoring Beeper Coded Signals

NUMBER OF BEEPS	POSSIBLE CAUSE	REMEDY
2 short (while installing safety lanyard on DESS post).	 Everything is correct with the safety lanyard (good contact and right lanyard cap). 	 Engine can be started normally.
1 long (while installing safety lanyard on DESS post or when pressing start/stop buttons in some cases).	Bad connection between safety lanyard cap and DESS post.	Remove and reinstall the safety lanyard on the DESS post. Two short beeps should be heard which indicates the system is ready again to allow engine starting.
	Wrong safety lanyard.	 Use the safety lanyard that has been programmed for the boat. If it does not work, refer to an authorized dealer.
	 Dirty safety lanyard cap. 	• Clean.
	 Improper operation of MPEM or defective wiring harness. 	Refer to an authorized dealer.
4 short (while pressing start/stop button with safety lanyard already installed).	Shifter is NOT in neutral.	 Place shifter in neutral. While moving the shifter, 1 short beep indicates you reached the neutral position.
1 short (while moving shifter to neutral).	 Confirmation that shifter is now in neutral. 	• Engine is now ready to be started.
8 short.	Defective MPEM (memory).	Refer to an authorized dealer.
Continuous.	• Engine overheating.	 Refer to ENGINE OVERHEATS below.

Engine will not Start

OTHER OBSERVATION	POSSIBLE CAUSE REMEDY			
Engine does not turn over and the monitoring beeper sounds.	 Refer to MONITORING BE above. 	EPER CODED SIGNALS		
Engine does not turn over.	 Safety lanyard removed. 	 Install cap over switch. 		
	Burnt fuse.	 Check wiring then replace fuse. 		
	Discharged battery.	 Refer to an authorized dealer. 		
	 Battery connections, corroded or loose. 	 Refer to an authorized dealer. 		
	Water flooded engine.	 Refer to an authorized dealer. 		
Engine slowly turns.	 Discharged or weak battery. 	Refer to an authorized dealer.		
Engine turns over.	 Fuel tank empty or water contaminated. 	 Refill or siphon and fill with fresh fuel. 		
	 Fuel filter clogged or water contaminated. 	 Clean, check fuel tank for water. 		
	Fuel flooded engine:			
	 Fouled/defective spark plugs. 	Replace.		

Engine Misfires, Runs Irregularly

_	• -	
OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
Weak spark.	 Fouled worn spark plugs. 	Replace.
	• Faulty RPM limiter.	 Refer to an authorized dealer.
	Too much oil supplied to engine.	 Improper oil pump adjustment, refer to an authorized dealer.
Lean fuel mixture.	Fuel: Level too low, stale or water contaminated.	Siphon and/or refill.
	 Fuel filter, clogged or water contaminated. 	 Refer to an authorized dealer.
Rich fuel mixture (high fuel consumption).	 Flame arrester dirty/clogged. 	Clean or replace.

Engine Overheats

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
Monitoring beeper continuously sounds.	 Clogged jet pump water intake. 	• Clean.
	 Incorrect type of fuel or oil. 	Siphon and refill.
	Clogged coolant system.	 Flush cooling system with garden hose.

Engine Continually Backfires

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
	• Faulty RPM limiter.	 Refer to an authorized dealer.
Weak spark.	• Fouled, worn spark plugs.	Replace.
Overheated engine.	• See ENGINE OVERHEATS.	

Engine Pinging or Knocking

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
	Poor quality gasoline/low octane.	 Use well known quality and recommended gasoline.
	 Spark plug heat range too high. 	 Use recommended spark plugs.

Engine Lacks Acceleration or Power

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
	 Weak spark/incorrect fuel mixture. Water in fuel or injection oil. 	Refer to ENGINE MISFIRES.Siphon and replace.
Overheated engine.	• See ENGINE OVERHEATS.	

Sport Boat can not Reach Top Speed

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
	 Jet pump water intakes clogged. 	• Clean.
	Damaged impeller(s).	 Replace. Refer to an authorized dealer.

Abnormal Noise from Propulsion System

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
	Weeds or debris jammed around impeller.	 Clean and check for damage.
	 Damaged impeller shaft or drive shaft. 	 Refer to an authorized dealer.

PERIODIC INSPECTION CHART

			FI	REQUE	NCY	
	DESCRIPTION	FIRST 10 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS OR PRE-SEASON	TO BE PERFORMED BY
	Fire extinguisher condition/mounting @ @					0
GENERAL	Lubrication/corrosion protection	1		~	~	0
GENTERO	Inspect safety lanyard DESS post and emergency stop @					
	Head bolts, retorque	'			~	D
	Support and rubber mount condition/tightness	>		٧		D
	Exhaust system fasteners/hoses @	>		>	'	D
ENGINE	RAVE™ valve cleaning			~	~	D
	Counterbalance shaft oil level			>	~	D
	Spark plug inspection, cleaning and adjustment	'				D
	Spark plug replacement			>		D
	Ensure exhaust clamps are in place and secure		~			0
EXHAUST	Inspect for leaking exhaust system components (such as rust and/or black streaking, water leaks or corroded/cracked fittings		~			0
	Inspect exhaust hoses for burnt, cracked or deteriorated sections. Hoses should be pliable and free of kinks. Replace cracked, charred or deteriorated exhaust hoses if found ①		~		~	O/D
SYSTEM	Ensure engine(s) and generator(s) are properly tuned and well-maintained @				~	O/D
	Inspect metal exhaust components for cracking, rusting, leaking or loosening. Check cylinder head gasket, exhaust manifold, water injection elbow, and the threaded adapter nipple between the manifold and the elbow ④				~	D
	Clean, inspect, and confirm proper operation of the generator cooling water anti-siphon valve (if equipped) (4)				~	D
	Flushing		√ ③			0
COOLING SYSTEM	Hose condition and fasteners	'		'	~	D
	Inspect/clean engine drain tube	1 1	~			D
	Water flow regulator valve inspection				~	D

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	Ι		FREQUENCY				
	DESCRIPTION	FIRST 10 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS OR PRE-SEASON	TO BE PERFORMED BY	
	Throttle cable inspection/lubrication @	1	~		~	D	
	Fuel filter and lines inspection ④	~	~		~	D	
	Fuel filter replacement				'	D	
FUEL SYSTEM	Fuel lines, check-valve and fuel system pressurization (4)	>	٧		~	D	
	Fastener tightening (throttle body, fuel lines) ®	~		~	~	D	
	Fuel tank straps @	~			~	0	
	Fuel tank filling ②					0	
	Oil injection pump adjustment	~			~	D	
LUBBIOATION	Oil lines inspection @	~	~		~	D	
LUBRICATION SYSTEM	Oil filter replacement				'	D	
01012	Oil reservoir straps 4	>			~	0	
	Oil reservoir filling @					0	
	Main battery cut-off switch ④	>	>		'	D	
	Lights condition/operation @					0	
	Bilge blower and bilge pump inspection @4	>	>		'	O/D	
ELECTRICAL	Electrical connections (ignition system, electrical box(es), starting system, etc.) ②④	1	٧		~	O/D	
SYSTEM	Digitally Encoded Security System @@	>			~	O/D	
	Monitoring beeper	~		~	~	D	
	Battery terminal and hold down tightness 24	~		~	~	O/D	
	Battery charging				~	D	
	Sacrificial anode (if applicable)			~		0	
STEERING SYSTEM	Inspection and cable adjustment ④	~		~	~	D	
LOW-SPEED STEERING SYSTEM	Inspection and throttle cable adjustment @	~		~	~	D	
	Drive shaft boot and spline condition			~		D	
PROPULSION SYSTEM	Drive shaft floating seal condition @			~		O/D	
	PTO flywheel lubrication	V	>			0	
	Shifter system/cable adjustment @	V			'	D	
	Jet pump reservoir oil level/oil condition	Replace	>		Replace	D	
	Jet pump cover pusher inspection				'	D	
	Impeller condition @					0	
	Impeller/wear ring clearance			~		D	
	Water intake grate condition @					0	

	DESCRIPTION		FREQUENCY				
			EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS OR PRE-SEASON	TO BE PERFORMED BY	
	Weedless system lubrication/condition (if applicable)			٧		0	
HULL AND	Hull condition @@	~			~	O/D	
BODY	Ride shoe condition	~			~	0	
	Storage compartment cover locks lubrication	1		>		0	
	Deck drains/scupper valve cleaning @@					O/D	

NOTE: Some items are included in the PRE-OPERATION CHECKS and not necessarily repeated in this chart.

- D: Dealer
- O: Operator
- ① Every 10 hours in salt water use.
- 2 Daily checked.
- 3 Daily flushing in salt water or foul water use.
- ④ Safety item covered in the annual safety inspection (owner's expenses).

SPECIFICATIONS

ENGINE		SPORTSTER LE DI		
Number of engines		1		
Engine type		ROTAX 947, 2-stroke direct injection		
Induction type		Reed valve		
Exhaust system		Water cooled/water injected with regulator		
	Туре	Oil injection		
Lubrication	Oil type	BOMBARDIER FORMULA XP-S II synthetic injection oil		
Number of cylin	ders	2		
Displacement		951.2 cm³ (58 in³)		
Rev limiter settii	ng	7200 RPM (± 50)		
COOLING		•		
Туре		Open circuit. Direct flow from propulsion unit		
ELECTRICAL		•		
Magneto genera	ator output	270 W @ 6000 RPM		
Ignition system	type	Digital Inductive type		
Spark plug	Make and type	NGK, ZFR4F		
Spark plug	Gap	1.1 mm (.043 in)		
Starting system		Electric starter with reduction gear		
Battery		Not supplied ①		
	Main	20 A (2)		
	MPEM supply	5 A		
	Charging system	15 A (1)		
Fuses	Bilge air blower	7.5 A		
ruses	Bilge pump	3 A		
	Navigation lights	3 A		
	Gauges supply	5 A		
	Auxiliary system	10 A		
FUEL SYSTEM				
Fuel type		Regular unleaded gasoline with 87 minimum octane (R+M)/2. Outside North America use 90 RON		
Fuel Injection		Orbital direct fuel injection, twin throttle body 46 mm (1.81 in)		

① Recommended: Exide R-24-130, 12 V, 25 A•h (130 minutes reserve) or R-24-160 (160 minutes) or equivalent.

Battery posts: On top. Round taper type.

Battery maximum allowed size: 285 mm (11-1/4 in) long x 190 mm (7-1/2 in) wide x 238 mm (9-3/8 in) high.

PROPULSION		SPORTSTER LE DI		
Propulsion system		Bombardier Formula Jet Pump		
Number of jet pumps		1		
Jet pump type		Axial flow, single stage		
Transmission		Direct drive		
Impeller shaft reservoir,	oil type	Sea-Doo Synthetic polyolester 75W90 GL5 gear oil		
Pivoting angle of direction	n (nozzle)	~ 26°		
Minimum required water for jet pump(s)	rlevel	90 cm (3 ft)		
DIMENSIONS				
Overall length		4.42 m (14 ft 6 in)		
Overall length on trailer		5 m (16 ft 5 in)		
Beam		2.16 cm (7 ft 1 in)		
Draft		30 cm (12 in)		
Dead rise		20°		
Overall height		1.07 m (3 ft 6 in)		
Overall height on trailer		1.50 m (4 ft 11 in)		
Weight (dry)		560 kg (1235 lb)		
Load limit (passengers + luggage)		4 passengers OR 325 kg (715 lb) (based on calm water operation)		
Hull material		Composite (fiberglass)		
CAPACITIES				
Fuel tank (reserve included)		85 L (22 U.S. gal)		
lance the selection of	Capacity	120 mL (4.0 U.S. oz)		
Impeller shaft reservoir	Oil level	Up to plug		
Oil injection reservoir		9 L (2.3 U.S. gal)		

BOMBARDIER 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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SI* METRIC INFORMATION

BASE UNITS				
DESCRIPTION length	kilogram newton liter Celsius kilopascal newton-meter kilometer per hour	SYMBOL m kg N L °C kPa N•m km/h kn		
	PREFIXES			
PREFIX SYMBOL kilo k centi c milli m micro μ	one hundredth of one thousandth of one millionth of	VALUE 1000 0.01 0.001 0.000001		
CON	NVERSION FACTORS			
TO CONVERT in	cm cm² cm³ m g kg N•m N•m lbf•in kPa U.S. oz mL U.S. gal	MULTIPLY BY 25.4 2.54 6.45 16.39 0.3 28.35 0.45 4.4 0.11 1.36 12 6.89 0.96 28.41 1.2 4.55		
imp. gal U.S. oz. U.S. gal. knot	mL	4.55 29.57 3.79 1.15 1.61 (°F - 32) ÷ 1.8 (°C x 1.8) + 32		

^{*} The international system of units abbreviates SI in all languages.

NOTE: Conversion factors are rounded off to 2 decimals for easier use.

① To obtain the reverse sequence, divide by the given factor. Example: to convert millimeters to inches, divide by 25.4.

WARRANTY

BOMBARDIER LIMITED WARRANTY FOR MODEL YEAR 2004 SEA-DOO® SPORT BOATS SOLD IN THE UNITED STATES AND CANADA

1. SCOPE

Bombardier Motor Corporation of America* ("Bombardier") warrants its new and unused Model Year 2004 Sea-Doo sport boats ("Sport Boat") sold by authorized Sea-Doo sport boat Dealers in the fifty United States and Canada ("Dealer") will be free from defects in material and workmanship for the period and under the conditions below. If your Sport Boat comes equipped with a Rotax® engine, the Rotax engine is also covered by this Limited Warranty under the terms hereof. If your Sport boat came equipped with another engine, that engine is covered by the Limited Warranty issued by the manufacturer of that engine and is not covered by this Limited Warranty.

2. WARRANTY COVERAGE DURATION

This limited warranty will be in effect from the date of delivery to the first retail consumer or the date the Sport Boat is first put to use, whichever occurs first, for a period of:

- TWELVE (12) CONSECUTIVE MONTHS for private, recreational use, except that: the deck and hull fiberglass structure are covered for SIXTY (60) CON-SECUTIVE MONTHS; and the emission related components providing input to emission controls (e.g. sensors) are covered for TWENTY-FOUR (24) CONSEC-UTIVE MONTHS OR 200 HOURS OF ENGINE USE, whichever occurs first.
- FOUR (4) CONSECUTIVE MONTHS for commercial use, except that: the deck and hull fiberglass structure is covered for TWELVE (12) CONSECUTIVE MONTHS; and the emission related components providing input to emission controls (e.g. sensors) are covered for TWENTY-FOUR (24) CONSECUTIVE MONTHS OR 200 HOURS OF ENGINE USE whichever occurs first. A Sport Boat 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 Sport Boat is also used commercially when, at any point during the warranty period, it has commercial tags or is licensed for commercial use.

For Sport Boats with Rotax engine(s) produced by Bombardier for sale in California that are originally sold in California to a California resident or subsequently warranty registered to a California resident, please also refer to Bombardier's California Emission Control Warranty Statement.

All genuine Bombardier accessories installed by an authorized Dealer at the time of delivery carry the same warranty as the Sport Boat. The repair or replacement of parts or the performance of service to a Sport Boat under this warranty does not extend the life of this limited warranty beyond its original expiration date.

3. CONDITIONS TO HAVE WARRANTY COVERAGE

This warranty coverage is available only after the purchaser and Dealer have: (i) completed and documented the Bombardier specified pre-delivery inspection process; and properly registered the Sport Boat. Only the original purchaser and any subsequent owners who reside in the United States or Canada and have purchased the Sport Boat from a U.S. or Canadian Dealer are eligible for warranty coverage hereunder. Such limitations are necessary in order to allow Bombardier to protect the safety of its products, consumers, and the general public. As outlined in the *Operator's Guide*, timely required maintenance must be performed to maintain warranty coverage. Bombardier may require proof of proper maintenance prior to authorizing warranty coverage.

4. WHAT TO DO TO OBTAIN WARRANTY COVERAGE

The owner must notify an authorized Dealer within two (2) days of the appearance of the defect and must promptly bring the Sport Boat, including any defective part, to Dealer (in any event, within the warranty period) and must provide Dealer with reasonable opportunity to repair the defect. If the Sport Boat has not previously been registered, the owner may also be required to present proof of purchase to Dealer for warranty repairs. Owner is required to sign the repair/work order prior to the start of the repair in order to validate the warranty repair. All parts replaced under this warranty become the property of Bombardier.

5. WHAT BOMBARDIER WILL DO

Bombardier's obligations under this warranty are limited to, at its sole discretion, repairing or replacing parts of the Sport Boat found to be defective in material or workmanship, in the reasonable judgment of Bombardier. Such repair or replacement of parts will be done without charge for parts and labor, at any authorized Dealer. Bombardier's responsibility is limited to making the required repairs or replacements of parts with genuine Bombardier parts. The expenses of transporting the Sport Boat to and from Dealer for warranty service are to be borne by the owner. No claim of breach of warranty shall be cause for cancellation or rescission. of the sale of the Sport Boat to owner. In the event that warranty service is required outside of the fifty United States or Canada, 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. Bombardier reserves the right to improve, modify or change its Sport Boats from time to time without assuming any obligation to modify Sport Boats previously manufactured.

6. EXCLUSIONS — The following are not warranted under any circumstances:

- Replacement of parts due to normal wear and tear;
- Routine maintenance parts and services, including but not limited to adjustments, oil, lubricant and coolant changes, spark plug replacement, water pumps and the like;
- Damage caused by improper or lack of maintenance or storage, or failure to follow the procedures and recommendations in the Operator's Guide;

- Damage resulting from removal of parts, improper repairs, service, maintenance, or modification, or use of parts or accessories not manufactured or approved by Bombardier, which in its reasonable judgment, are either incompatible with Sport Boats or adversely affect its operation, performance, or durability, or resulting from repairs done by a person that is not an authorized Dealer;
- Damage caused by abuse, misuse, abnormal use, neglect, racing, improper operation or operation of
- the Sport Boat in a manner inconsistent with the recommended operation described in the Operator's Guide;
- Damages resulting from external damage, submersion, water or foreign object ingestion, accident, fire, theft, vandalism or any act of God;
- Operation with fuel, oils or lubricants that are not suitable for the Sport Boat (see Operator's Guide);
- Damage from rust, corrosion or exposure to the elements;
- Damage from cooling system or jet pump blockage by foreign material;
- Damage to gel coat finish including but not limited to cosmetic gel coat finish defects, blisters, starring, crazing; and fiberglass delamination caused by blisters, crazing, spyder or hairline cracks or exposure to the elements.

This warranty will be voided in its entirety and rendered null and void where:

- The Sport Boat 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; or
- The Sport Boat is or has been used for racing at any point, even by a prior owner.

7. LIMITATIONS OF LIABILITY

ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMI-TATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PAR-TICULAR PURPOSE ARE LIMITED IN DURATION TO THE LIFE OF THE EX-PRESS LIMITED WARRANTY. ALL INCIDENTAL, CONSEQUENTIAL, DIRECT, INDIRECT OR OTHER DAMAGES OF ANY KIND ARE EXCLUDED FROM COV-ERAGE UNDER THIS WARRANTY INCLUDING, BUT NOT LIMITED TO: expense for gasoline, expense for transporting Sport Boat to and from Dealer, mechanic's travel time, in-and-out of water charges, slip or dock fees, trailering or towing, storage, telephone, cell phone, fax or telegram charges, rental of a like or replacement boat during warranty services or down time, taxi, travel, lodging, loss of or damage to personal property, inconvenience, cost of insurance coverage, loan payments, loss of time, loss of income, revenue or profits, or loss of enjoyment or use of Sport Boat. SOME STATES, PROVINCES, OR JURISDIC-TIONS DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS OF INCIDEN-TAL OR CONSEQUENTIAL DAMAGES, OR OTHER EXCLUSIONS IDENTI-FIED 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.

No distributor, Dealer or any other person is authorized to make any affirmation, representation or warranty regarding a Sport Boats other than those contained in this limited warranty and, if made, shall not be enforceable against Bombardier. Bombardier reserves the right to modify this warranty at any time, although such modification will not alter the warranty conditions applicable to the Sport Boats sold while this warranty was in effect.

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 that BOMBARDIER is notified of such transfer of ownership in the following way:

- a) The former owner contacts BOMBARDIER (at the phone number provided below) or an authorized BOMBARDIER dealer and gives the coordinates of the new owner; or
- b) BOMBARDIER or an authorized BOMBARDIER 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 BOMBARDIER LIMITED WARRANTY, BOMBARDIER suggests that you try to resolve the issue at the Dealership level. We recommend discussing the issue with the authorized Dealer's service manager or owner.

If further assistance is required, please contact Bombardier's Customer Assistance Center:

IN CANADA

BOMBARDIER INC. RECREATIONAL PRODUCTS CUSTOMER ASSISTANCE CENTER VALCOURT QC JOE 2L0 Tel: (819) 566-3366

IN USA

BOMBARDIER MOTOR CORPORATION OF AMERICA CUSTOMER ASSISTANCE CENTER 7575 BOMBARDIER COURT WAUSAU WI 54401 Tel: (715) 848-4957

March 2003

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^{*} Sport Boats sold in Canada are distributed and serviced by Bombardier Inc.

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT FOR MODEL YEAR 2004 SEA-DOO® SPORT BOATS EQUIPPED WITH A ROTAX® ENGINE(S)

If your Sea-Doo sport boat has an engine other than a Rotax engine, the warranty issued by that engine manufacturer will apply.

Your Model Year 2004 Sea-Doo sport boat ("Sport Boat") equipped with a Rotax engine(s) 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 Sport Boat, describes the meaning of the star rating system.

The Star Label Means Cleaner Marine Engines

The Symbol for Cleaner Marine Engines:









Cleaner Air and Water

For a healthier lifestyle and environment.

Better Fuel Economy

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

Longer Emission Warranty

Protects consumer for worry free operation.

One Star - Low-Emission

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

Two Stars - Very Low Emission

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

Three Stars - Ultra Low Emission

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

Four Stars - Super Ultra Low Emission

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

For more information: Cleaner Watercraft - Get the Facts

1 800 END-SMOG www.arb.ca.gov

Your Emission Control Warranty Rights and Obligations

The California Air Resources Board and Bombardier Motor Corporation of America ("Bombardier") are pleased to explain the emission control system warranty on your Model Year 2004 Sea-Doo sport boat equipped with a Rotax engine(s). In California, new Sport Boat engines must be designed, built and equipped to meet the State's stringent anti-smog standards. Bombardier must warrant the emission control system on your Sport Boat engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your Sport Boat 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, Bombardier will repair your Sport Boat's Rotax engine at no cost to you, including diagnosis, parts and labor, provided that such work is performed by an authorized Sea-Doo sport boat Dealer.

Manufacturer's Limited Warranty Coverage

This emission limited warranty covers Model Year 2004 Sea-Doo sport boats equipped with a Rotax engine(s) certified and produced by Bombardier for sale in California, that are originally sold in California to a California resident or subsequently warranty registered to a California resident. The Bombardier limited warranty conditions for Sea-Doo Sport Boats are still applicable to these models with the necessary modifications.

Select emission control parts of your 2004 Sea-Doo Sport Boat equipped with Rotax engines(s) 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 sport boat 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 Bombardier.

Parts covered for a Model Year 2004 Sea-Doo Sport Boat Sportster LE DI equipped with a Rotax engine(s):

Air Lines	Coolant Temperature Sensor
Fuel Rail	Throttle Position Sensors
Rave Valve	Ignition Coil
Reed Valve	Manifold Temperature Sensor
Tuned Pipe	Manifold Air Pressure Sensor
High-Tension Ignition Wires	Crankshaft Position Sensor
Electrical Harness	Air Pressure Regulator
Throttle Bodies	Fuel Pressure Regulator
Exhaust Hoses	Fuel Injectors
Fuel Lines	Electronic Control Module
Water Regulator	Exhaust Manifold
Air Compressor	Intake Manifold
Cylinder Head	Fuel Pump
Detonation/Knock Sensor	Air Injector
Spark Plugs	All Emission Component Related Gaskets; Head, Base and Exhaust

Parts Covered for a Model Year 2004 Sea-Doo Sport Boat Sportster 4-TEC and Speedster 200 Equipped with a Rotax Engine(s):

Digital Linear Actuator (low idle control)	All Fuel System Components
Throttle Position Sensor	Spark Plugs
Intake Manifold Air Pressure Sensor	Ignition Coils
Intake Manifold Air Temperature Sensor	Piston and Rings
Engine Temperature Sensor	Intake and Exhaust Valve Gear/Train
Knock Sensor	Valves, Valve Guides and Valve Guide Sealing
Emission Control Unit	Crankcase Ventilation Valve
Injectors	Wire Harness and Connectors
Fuel Pressure Regulator	Emission Related Seals, Gaskets and Hoses
Intake Manifold	Exhaust Manifold

The emission warranty covers damage to other engine components that is caused by the failure of a warranted part.

The Bombardier *Operator's Guide* provided contains written instructions for the proper maintenance and use of your Sport Boat. All emission warranty parts are warranted by Bombardier for the entire warranty period of the Sport Boat, 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 Bombardier 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 Bombardier for the entire warranty period of the Sport Boat. Any emission warranty part repaired or replaced under the terms of this warranty statement is warranted by Bombardier for the remainder of the warranty period of the original part. All parts replaced under this limited warranty become the property of Bombardier.

Maintenance receipts and records should be transferred to each subsequent owner of the Sport Boat.

Owner's Warranty Responsibilities

As the owner of a Sea-Doo Sport Boat equipped with a Rotax engine(s), you are responsible for the performance of the required maintenance listed in your *Operator's Guide*. Bombardier recommends that you retain all receipts covering maintenance on your Rotax engine, but Bombardier 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 Sport Boat equipped with a Rotax engine(s), you should however be aware that Bombardier may deny you warranty coverage if your Rotax engine(s) or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your Rotax engine to an authorized Bombardier 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 Bombardier Dealer you should contact the Customer Assistance Center at 1-715-848-4957.

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BOMBARDIER INTERNATIONAL LIMITED WARRANTY FOR MODEL YEAR 2004 SEA-DOO® SPORT BOATS

1. SCOPE

Bombardier Inc. ("Bombardier") warrants its new and unused Model Year 2004 Sea-Doo sport boats ("Sport Boat") that are sold by authorized Sea-Doo sport boat Distributors/Dealers outside of the fifty United States and Canada ("Distributor/Dealer") from defects in material and workmanship for the period and under the conditions below. If your Sport Boat comes equipped with a Rotax® engine, the Rotax engine is also covered by this Limited Warranty under the terms hereof. If your Sport Boat came equipped with another engine, that engine is covered by the Limited Warranty issued by the manufacturer of that engine and is not covered by this Limited Warranty.

2. WARRANTY COVERAGE DURATION

This limited warranty will be in effect from the date of delivery to the first retail consumer or the date the Sport Boat is first put to use, whichever occurs first, for a period of:

- TWELVE (12) CONSECUTIVE MONTHS for private, recreational use, except that: the deck and hull fiberglass structure are covered for SIXTY (60) CON-SECUTIVE MONTHS;
- FOUR (4) CONSECUTIVE MONTHS for commercial use, except that: the deck and hull fiberglass structure is covered for TWELVE (12) CONSECUTIVE MONTHS. A Sport Boat 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 Sport Boat is also used commercially when, at any point during the warranty period, it has commercial tags or is licensed for commercial use.

All genuine Bombardier accessories installed by an authorized Distributor/Dealer at the time of delivery carry the same warranty as the Sport Boat. The repair or replacement of parts or the performance of service to a Sport Boat under this warranty does not extend the life of this limited warranty beyond its original expiration date.

3. CONDITIONS TO HAVE WARRANTY COVERAGE

This warranty coverage is available only in the country in which the sale occurred and only after the purchaser and Distributor/Dealer have: completed and documented the Bombardier specified pre-delivery inspection process; and properly registered the Sport Boat. Only the original purchaser and any subsequent owners who reside in the country where the sale occurred are eligible for warranty coverage hereunder. Such limitations are necessary in order to allow Bombardier to protect the safety of its products, consumers, and the general public. As outlined in the *Operator's Guide*, timely required maintenance must be performed to maintain warranty coverage. Bombardier may require proof of proper maintenance prior to authorizing warranty coverage.

4. WHAT TO DO TO OBTAIN WARRANTY COVERAGE

The owner must notify an authorized Distributor/Dealer within two (2) days of the appearance of the defect and must promptly bring the Sport Boat, including any defective part, to Distributor/Dealer (in any event, within the warranty period) and must provide Distributor/Dealer with reasonable opportunity to repair the defect. If the Sport Boat has not previously been registered, the owner may also be required to present proof of purchase for warranty repairs. Owner is required to sign the repair/work order prior to the start of the repair in order to validate the warranty repair. All parts replaced under this warranty become the property of Bombardier.

5. WHAT BOMBARDIER WILL DO

Bombardier's obligations under this warranty are limited to, at Bombardier's sole discretion, repairing or replacing parts of the Sport Boat found to be defective in material or workmanship, in the reasonable judgment of Bombardier. Such repair or replacement of parts will be done without charge for parts and labor, at any authorized Sea-Doo Distributor/Dealer in the country where the Sport Boat was sold. Bombardier's responsibility is limited to making the required repairs or replacements of parts with genuine Bombardier parts. The expenses of transporting the Sport Boat to and from Distributor/Dealer for warranty service are to be borne by the owner. No claim of breach of warranty shall be cause for cancellation or rescission of the sale of the Sport Boat to owner. In the event that warranty service is required outside of the country where the Sport Boat was purchased, 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. Bombardier reserves the right to improve, modify or change its Sport Boats from time to time without assuming any obligation to modify Sport Boats previously manufactured.

6. EXCLUSIONS — The following are not warranted under any circumstances:

- Replacement of parts due to normal wear and tear;
- Routine maintenance parts and services, including but not limited to adjustments, oil, lubricant and coolant changes, spark plug replacement, water pumps and the like;
- Damage caused by improper or lack of maintenance or storage, or failure to follow the procedures and recommendations in the *Operator's Guide*;
- Damage resulting from removal of parts, improper repairs, service, maintenance, or modification, or use of parts or accessories not manufactured or approved by Bombardier, which in its reasonable judgment, are either incompatible with Sport Boats or adversely affect its operation, performance, or durability, or resulting from repairs done by a person that is not an authorized Distributor/Dealer;
- Damage caused by abuse, misuse, abnormal use, neglect, racing, improper operation or operation of the Sport Boat in a manner inconsistent with the recommended operation described in the Operator's Guide;
- Damages resulting from external damage, submersion, water or foreign object ingestion, accident, fire, theft, vandalism or any act of God;

- Operation with fuel, oils or lubricants that are not suitable for the Sport Boat (see Operator's Guide);
- Damage from rust, corrosion or exposure to the elements;
- Damage from cooling system or jet pump blockage by foreign material;
- Damage to gel coat finish including but not limited to cosmetic gel coat finish defects, blisters, starring, crazing; and fiberglass delamination caused by blisters, crazing, spyder or hairline cracks or exposure to the elements.

This warranty will be voided in its entirety and rendered null and void where:

- The Sport Boat 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; or
- The Sport Boat is or has been used for racing at any point, even by a prior owner

7. LIMITATIONS OF LIABILITY

ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMI-TATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PAR-TICULAR PURPOSE ARE LIMITED IN DURATION TO THE LIFE OF THE EX-PRESS LIMITED WARRANTY. ALL INCIDENTAL, CONSEQUENTIAL, DIRECT, INDIRECT OR OTHER DAMAGES OF ANY KIND ARE EXCLUDED FROM COV-ERAGE UNDER THIS WARRANTY INCLUDING, BUT NOT LIMITED TO: expense for gasoline, expense for transporting Sport Boat to and from Distributor/ Dealer, mechanic's travel time, in-and-out of water charges, slip or dock fees, trailering or towing, storage, telephone, cell phone, fax or telegram charges, rental of a like or replacement boat during warranty services or down time, taxi, travel, lodging, loss of or damage to personal property, inconvenience, cost of insurance coverage, loan payments, loss of time, loss of income, revenue or profits, or loss of enjoyment or use of Sport Boat. SOME JURISDICTIONS DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS OF INCIDENTAL OR CONSEQUEN-TIAL DAMAGES, OR OTHER EXCLUSIONS IDENTIFIED ABOVE. AS A RE-SULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPE-CIFIC RIGHTS. AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY WITH THE JURISDICTION.

No Distributor, Dealer or any other person is authorized to make any affirmation, representation or warranty regarding a Sport Boat other than those contained in this limited warranty and, if made, shall not be enforceable against Bombardier. Bombardier reserves the right to modify this warranty at any time, although such modification will not alter the warranty conditions applicable to Sport Boats sold while this warranty was in effect.

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 that BOMBARDIER is notified of such transfer of ownership in the following way:

BOMBARDIER or an authorized BOMBARDIER Distributor/Dealer receives a proof that the former owner agreed to the transfer of ownership, in addition to the co-ordinates of the new owner. The distributor will then forward this information directly to Bombardier.

9. CONSUMER ASSISTANCE

- a) In the event of a controversy or a dispute in connection with this BOMBARDIER LIMITED WARRANTY, BOMBARDIER suggests that you try to resolve the issue at the dealership level. We recommend discussing the issue with the authorized dealer's service manager or owner.
- b) If further assistance is required, the distributor's service department should be contacted in order to resolve the matter.
- c) If the matter still remains unresolved then contact Bombardier by writing to us at the address listed below.

BOMBARDIER INC. RECREATIONAL PRODUCTS **BOMBARDIER SEA-DOO** CUSTOMER ASSISTANCE CENTER VALCOURT QC J0E 2L0

Tel: (819) 566-3366

March 2003

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WEB SITES

Bombardier Sea-Doo Website: www.sea-doo.com

Canadian Coast Guard	www.ccg-gcc.gc.ca/obs-bsn/sbg-gsn/main_e.htm
United States Coast Guard	www.uscgboating.org/regulations/boating_laws.htm
Alabama	www.dcnr.state.al.us/mp/menu.htm
Alaska	www.dnr.state.ak.us/parks/boating
Arizona	www.azgfd.com
Arkansas	www.agfc.state.ar.us/
California	www.dbw.ca.gov
Colorado	http://parks.state.co.us/boating/
Connecticut	http://dep.state.ct.us/rec/prgactiv.htm
Delaware	www.dnrec.state.de.us/fw/fwwel.htm
Florida (freshwater)	http://floridaconservation.org/law
Florida (saltwater)	www.dep.state.fl.us/law
Georgia	www.boat-ed.com
Hawaii	www.hawaii.gov/dlnr/dbor/dbor
Idaho	www.idahoparks.org/rec/boating.html
Illinois	http://131.230.57.1/stat_rul/ILLREG.htm
Indiana	www.state.in.us/dnr/regulations
Iowa	www.iowadnr.com/
Kansas	www.kdwp.state.ks.us/boating/boating.html
Kentucky	www.state.ky.us/agencies/fw/boating.htm
Louisiana	www.w/f.state.la.us
Maine	www.state.me.us/ifw/rv/boatinglaws2002.htm
Maryland	www.dnr.state.md.us/boating
Massachusetts	www.state.ma.us/dfwele/dle/boatrvsafe.htm
Michigan	www.boat-ed.com/mi/handbook
Minnesota	www.dnr.state.mn.us/safety/boatwater
Mississippi	www.dmr.state.ms.us
Missouri	www.mswp.state.mo.us
Montana	www.fwp.state.mt.us/education/outdoorskills.asp

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Nebraska	www.ngpc.state.ne.us/boating
Nevada	http://www.boatnevada.org/
New Hampshire	www.state.nh.us/safety/ss/links.html
New Jersey	www.state.nj.us/mvs/boats.htm
New Mexico	www.emnrd.state.nm.us/nmparks/pages/question/regulate/rules/nmac172.pdf
New York	www.nysparks.com
North Carolina	www.ncwildlife.org/fs_index_02_regulations.htm
North Dakota	http://www.state.nd.us/gnf/boating/
Ohio	www.dnr.state.oh.us/odnr/watercraft
Oklahoma	www.boat-ed.com
Oregon	www.osmb.state.or.us
Pennsylvania	www.fish.state.pa.us
Rhode Island	www.state.ri.us/dem/topics/boating.htm
South Carolina	www.dnr.state.sc.us/etc/boating.htm
South Dakota	www.state.sd.us/gfp/divisionwildlife/boating/index.htm
Tennessee	www.state.tn.us/twra/boatmain.html
Texas	www.tpwd.state.tx.us/boat/boat.htm
Utah	www.nr.state.ut.us/parks/boating.htm
Vermont	www.boatsafe.com/vermont
Virginia	www.dgif.state.va.us/boating
Washington	www.parks.wa.gov/boating.asp
West Virginia	www.dnr.state.wv.us/law/boating.htm
Wisconsin	http://www.dnr.state.wi.us/org/caer/cs/Registrations/Boats.htm
Wyoming	http://gf.state.wy.us

NOTE: These web sites are for the information and education of the owner of this Sport Boat and are current as of March 2003. Bombardier makes no endorsement of or representation regarding these sites.

LIST OF DISTRIBUTORS

NORTH AMERICA

USA

(Except Puerto Rico)

BOMBARDIER MOTOR CORPORATION OF AMERICA

7575, Bombardier Court P.O. Box 8035 WAUSAU, WI. 54401 Phone: (715) 848-4957 Fax: (715) 847-6879

http://www.bombardier.com

CANADA

Alberta
British Columbia
Manitoba
North West Territories
Ontario
Quebec
Saskatchewan
Yukon
New-Brunswick
Nova Scotia
Prince Edward Island
Nunavut

Newfoundland

BOMBARDIER INC.

RECREATIONAL PRODUCT 75, J.A. BOMBARDIER ST. SHERBROOKE, QC J1L 1W3

Phone: (819) 566-3366 Fax: (819) 566-3062

http://www.bombardier.com

If your Sea-Doo sport boat requires warranty service, you must take it to any authorized Sea-Doo sport boat dealer. Be sure to bring your warranty registration card or other valid proof of the original date of purchase. If a question or problem arises regarding warranty, first contact the service manager or owner of the Sea-Doo sport boat dealership.

To find the nearest authorized Sea-Doo sport boat dealer, dial: 1 800 882-2900.

NOTE: If outside Canada and USA, consult the local distributor.



DECLARATION CE

OF CONFORMITY

Application of Council Directives: 94/25/CE — Recreational craft

89/336/CEE — Electromagnetic compatibility

Standards to which conformity is declared: ISO 7840, ISO 8469, ISO 8665, ISO 8846, ISO 8848, ISO 8849, ISO 9094, ISO 9097,

ISO 8848, ISO 8849, ISO 9094, ISO 9097, ISO 10087, ISO 10088, ISO 10133, ISO 10240, ISO 11105, ISO 11591, ISO 11592, ISO 12215, ISO 12216, ISO 13592, COLREGS, ABYC H-5,

ABYC H-8

Manufacturer's name: Bombardier Motor Corporation of America.

Manufacturer's address: 451 E. Illinois Ave Benton, Illinois

62812-0394

Importer's name: Société ANF — Industrie S.A.

Importer's address: 2, rue du Nouveau Bercy

94220 Charenton Paris, France

Notified body for Directive 94/25/CE: International Marine Certification Institute

Trèves centre, rue de Trèves 45

1040 Brussels, Belgium

Competent body for Directive 89/336/CEE: UTAC

Autodrome de Linas-Montlhéry, B.P. 212

91311 Montlhéry cedex, France

Type of equipment: Sport boats, inshore category C

Model names and numbers:

Model name

Model number(s)

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directives and Standards.

Name of signatory: Fernando Garcia

Title of signatory on behalf of

Bombardier Motor Corporation of America: Director - Public and Regulatory Affairs —

Sea-Doo sport boats

Homologation and Certification

These boats comply with the following standards:

STANDARD	TYPE OF CERTIFICATION
United States Coast Guard	Self certification
Canadian Coast Guard	Self certification
Russian Maritime Register of Shipping	Certify by Russian Maritime Register of Shipping 8, Dvortsovaya Nab., 191186 St. Petersburg, Russia
Directive 89/336/CEE of the council relating to electromagnetic compatibility	Internal production control plus control carried out on the responsability of a competent body.
	Competent body: UTAC Autodrome de Linas-Montlhéry, B.P. 212 91311 Montlhéry cedex, France
Directive 94/25/EC of the European Parliament and of the council relating to recreational craft	Internal production control plus control carried out on the responsability of a notified body.
	Notified body: International Marine Certification Institute Trèves centre, rue de Trèves 45 1040 Brussels, Belgium

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Operator's Guide Confirmation of Receipt

Your dealer	
Name:	
Address:	
Address:	
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Upon deliv	you and help you to resolve any problems you may have. ery of your sport boat, complete and sign the form hereunder a o your dealer in order to be covered by our warranty.
Warranty c	onditions are as detailed in the WARRANTY section of this guide.
	Cut ha
	Cut he
Receipt	Name:
	Address:
Owner of	Sport Boat model No.
H.I.N. (to be o	ompleted by customer or selling dealer)
This warrar	ty begins (date).
safety feato with. I am a boat. I have	named on this document has instructed me on the operation, maintenancures and warranty policy, all of which I understand and agree to be bour also satisfied with the predelivery set-up and inspection of my Sea-Doo spot also received a copy of the <i>Operator's Guide and Safety Videocassette</i> for sport boat.
	Signature:
	Date:

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PRIVACY INFORMATION

We wish to inform you that your coordinates will be used for safety and warranty purposes. Sometimes, we also use the coordinates of our clients to inform them about our products and to present them offers. Should you prefer not to receive information on our products, services and offers, please let us know by writing to the address below.

Also note that, from time to time, carefully selected and trustworthy organizations may be permitted to use the coordinates of our clients to promote quality products and services. If you prefer not to have your name and address released, please let us know by writing to the address below:

Bombardier Inc. Recreational Products

Warranty Department 75 J.A. Bombardier Street Sherbrooke, Québec J1L 1W3 Canada Fax Number: (819) 566-3590

If your address has changed, be sure to fill out and mail the card provided on this page.

Such notification is likewise necessary for your own safety even after expiration of the original warranty, since Bombardier will be in a position to contact you if correction to your craft becomes necessary.

NOTE: This card is strictly for change of address only.

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NEW ADDRESS: 		NAME
 	NO.	STREET APT
! 	CITY	STATE/PROVINCE ZIP/POSTAL CODE

I STOLEN UNITS

In the event that your craft is stolen, you should notify your area's distributor warranty department of such.

Please provide your name, address, phone number, Hull Identification Number and date it was stolen.

AFFIX PROPER POSTAGE

BOMBARDIER

RECREATIONAL PRODUCTS

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AFFIX PROPER POSTAGE

BOMBARDIER

RECREATIONAL PRODUCTS

SPORT B	SPORT BOAT MODEL No.								
HULL IDENTIFI	CATION NUMBER (F	I.I.N.)							
	MERCURY OR ROTAX ENGINE IDENTIFICATION NUMBER (E.I.N.)								
Owner:			_						
		NAM	E						
	No.	STRE	ET		APT				
	CITY	STATE/PRO	OVINCE		ZIP/POSTAL CODE				
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	To be completed by	the dec	iioi at tii	C tillic	or the sale.				
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Please verify with your selling dealer to ensure your SEA-DOO craft has been registered with Bombardier.

