

OPERATOR'S GUIDE

SPORTSTER™4-TEC

⚠ WARNING

Read this guide thoroughly. It contains important safety information.

204 630 285



SAFETY WARNING

Disregarding any of the safety precautions and instructions contained in this *Operator's Guide*, the *Safety Handbook*, 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, the Safety Handbook and Safety Videocassette should remain with the craft at the time of resale.





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SEA-DOO® ROTAX® BOMBARDIER LUBE™ SPORTSTER™ 4-TEC™

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 the *Operator's Guide* and *Safety Handbook* and on-product warning/caution labels and familiarize yourself with the contents. The 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 your dealer for regular safety maintenance as well as any boating accessories you may require.

Have fun and... Bon Voyage.

Please keep this guide and *Safety Handbook* on board. These manuals 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 each document.

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

This guide uses the following symbols to emphasize particular information.

Identifies an instruction which, if not followed, might cause serious personal injuries including the possibility of death.

CAUTION: Denotes an instruction which, if not followed, might severely damage the sport boat and/or components.

NOTE: Indicates supplementary information needed to fully complete an instruction

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

The information and components/ system descriptions contained in this guide are correct at the time of publication. Bombardier Motor Corporation of America 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 Motor Corporation of America 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.

A SAFETY MEASURES

General

- Δ To fully appreciate the pleasures. enjoyment and excitement of boating there are some basic rules that should be observed and followed by any boater. Some rules may be new to you or covered in the PWC/Sport boat Safetv Handbook or Safetv Video cassette, others may be common sense or obvious... irrespective, we ask that you please take a few minutes of your time to completely read these safety instructions before you operate your craft. Failure to follow this safety information and safe boating rules could result in injury, including the possibility of death to you, your passenger(s), or other water users.
- ⚠ Become completely familiar with the controls and operation of the craft before embarking on your first trip or taking on a passenger(s). If you have not had the opportunity to do so with your dealer, practice driving solo in a suitable area and feel the response of each control. Be fully familiar with all controls before applying the throttle above idle speed. As its operator, you control and are responsible for the craft's safe operation.

Operation

- ▲ Always perform the pre-operation checks as specified in this guide.
- ▲ Always keep in mind that as the throttle lever is released to 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 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.
- ▲ Ensure that all passengers know how to swim and how to reboard the craft from the water.
- ⚠ The operator and passenger(s) should be properly seated and wearing an approved personal flotation device (PFD) before starting or moving the craft and at all times when craft is in motion.
- ▲ Do not start or operate the craft if a person(s) is seated on the sun deck or swim platform, or are nearby in the water.
- ⚠ The craft's jet thrust can cause injury. Always accelerate slowly.
- ▲ To prevent accidental starting or unauthorized use, always detach the safety lanyard from the craft especially when swimmers are boarding or nearby, or during removal of any weeds or debris from the intake grate.
- ⚠ Riding with a passenger(s) or pulling other boats, tubes, skier or wakeboarder makes the craft handle differently and requires greater skill. 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 adversely alter your control of the craft. The craft may be fitted with tow evelets which can be used to attach a ski rope. However, do not use these eyelets or the craft's cleats to tow a parasail. Severe craft damage may occur.

- ⚠ 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.
- ⚠ 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. Allow no one to throw refuse overboard.
- ⚠ This craft is equipped with navigation lights which should be used between sunset and sunrise. Reduce speed and do not operate the craft in reduced visibility.
- ⚠ Remember, gasoline fumes are flammable and explosive. Always adhere to the fueling procedure contained in this guide and those given to you by the marina. Always verify fuel level before use and during the ride. Apply the principle of 1/3 fuel to destination, 1/3 back and 1/3 reserve fuel supply. Do not carry spare fuel or flammable liquids in any of the storage or engine compartments.
- △ Combustion engines need air to operate; consequently this craft can not be totally watertight. Any maneuvers such as figure eights etc., that cause the upper deck to be under water may cause severe engine problems due to water ingestion. Refer to SPECIAL PROCEDURES and LIMITED WARRANTY sections contained in this guide.
- Operation of this craft by a minor or disabled person is NOT recommended.

Maintenance

- ⚠ 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.
- △ 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 wisely and have fun. Don't forget that all persons must assist other boaters in an emergency.

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

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.

BOMBARDIER LIMITED WARRANTY NORTH AMERICA: SEA-DOO® SPORTSTER™ SPORT BOAT

1. WARRANTY COVERAGE PERIOD

In Canada, Bombardier Inc. (Bombardier), and in the USA, Bombardier on behalf of Bombardier Motor Corporation of America, warrants from the date of delivery to the first consumer that each Sea-Doo Sportster sport boat (Sport Boat) sold as new and unused and predelivered by an authorized North American Sea-Doo Sport Boat dealer, will be free from any defects in material and/or workmanship for a period of:

a) For private use:

TWELVE (12) CONSECUTIVE MONTHS, with the exception of the deck and hull fiberglass structure; and SIXTY (60) CONSECUTIVE MONTHS for the deck and hull fiberglass structure.

b) For commercial use:

FOUR (4) CONSECUTIVE MONTHS, with the exception of the deck and hull fiberglass structure; and TWELVE (12) CONSECUTIVE MONTHS for the deck and hull fiberglass structure. All genuine Bombardier accessories, installed by an authorized Sea-Doo Sport Boat dealer at the time of delivery of the new and unused Sea-Doo Sport Boat carry the same Warranty Coverage Period as for the Sea-Doo Sport Boat.

2. WHAT BOMBARDIER WILL DO

Bombardier will repair or replace, at its option, all genuine Bombardier parts found defective in material and/or workmanship under normal use, maintenance and service, with genuine Bombardier parts without charge for parts and labor, at any authorized Sea-Doo Sport Boat dealer during the Warranty Coverage Period.

3. CONDITION TO HAVE WARRANTY WORK VALIDATED

The customer must notify an authorized Sea-Doo Sport Boat dealer within two (2) days of the appearance of the defect in material and/or workmanship and present to the servicing authorized Sea-Doo Sport Boat dealer a proof of purchase of the new and unused Sea-Doo Sport Boat and must sign the repair/work order prior to the start of the repair in order to validate a warranty repair. All parts replaced under this limited warranty become the property of Bombardier.

4. EXCLUSIONS — ARE NOT WARRANTED

- Normal wear and tear items;
- Labor, parts and lubricant costs of all maintenance services;
- Damages caused by failure to provide proper maintenance and/or storage, as described in the Sea-Doo Sport Boat Operator's Guide;
- Damages resulting from improper repairs, modifications or use of non-approved parts or, repairs not performed by an authorized Sea-Doo Sport Boat dealer;
- Damages resulting from abuse, misuse, neglect, racing;
- Damages resulting from accident, fire, theft, vandalism or any act of God;
- Incidental or consequential damages, or damages of any kind such as but not limited to towing charges, telephone calls or taxi;
- Water damages caused by water ingestion;
- Damages related to gel coat finish including but not limited to cosmetic gel coat finish blisters or fiberglass delamination caused by blisters, crazing, spyder or hairline cracks and:
- Damages resulting from improper service or maintenance.

5. LIMITATIONS OF LIABILITY

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. WHERE APPLICABLE, THIS WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMI-TATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PAR-TICULAR PURPOSE. Neither the distributor, any authorized Sea-Doo Sport Boat dealer nor any other person has been authorized to make any affirmation, representation or warranty other than those contained in this warranty, and if made, such affirmation, representation or warranty shall not be enforceable against Bombardier or any other person. In no event shall Bombardier be liable for special, consequential or incidental damages, including but not limited to loss of use and transportation costs. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply. Bombardier reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the Sea-Doo Sport Boat sold while this warranty is in effect.

6. TRANSFER

If the customer sells the Sea-Doo Sport Boat guaranteed under the present, he shall assign and transfer this warranty, which shall be valid for the rest of the relevant period as defined in section 1 hereinabove, to the new customer.

7. CONSUMER ASSISTANCE

- a) In the event of a controversy or a dispute arising 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, Bombardier's Customer Assistance Department should be contacted in order to resolve the matter:

Address for Canada and the USA:

Bombardier Recreational Products Customer Assistance Center 75, J.-A. Bombardier Street

75, J.-A. Bombardier S Sherbrooke, Qc J11 1W3

In Canada: (819) 566-3366 In the U.S.A.: (715) 848-4957

October 2002

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BOMBARDIER INTERNATIONAL LIMITED WARRANTY: SEA-DOO® SPORTSTER™ SPORT BOAT

1. WARRANTY COVERAGE PERIOD

Bombardier Inc. (Bombardier), as manufacturer, warrants from the date of delivery to the first consumer that each Sea-Doo Sportster sport boat (Sport Boat) sold anywhere in the world except the United States and Canada as new and unused and predelivered by an authorized Sea-Doo Sport Boat dealer, duly appointed by an authorized Sea-Doo international Distributor will be free from any defects in material and/or workmanship for a period of:

a) For private use:

TWELVE (12) CONSECUTIVE MONTHS, with the exception of the deck and hull fiberglass structure; and SIXTY (60) CONSECUTIVE MONTHS for the deck and hull fiberglass structure.

b) For commercial use:

FOUR (4) CONSECUTIVE MONTHS, with the exception of the deck and hull fiberglass structure; and TWELVE (12) CONSECUTIVE MONTHS for the deck and hull fiberglass structure. All genuine Bombardier accessories, installed by an authorized Sea-Doo Sport Boat dealer at the time of delivery of the new and unused Sea-Doo Sport Boat carry the same Warranty Coverage Period as for the Sea-Doo Sport Boat.

2. WHAT BOMBARDIER WILL DO

Bombardier through the local authorized Sea-Doo international Distributor will, during the Warranty Coverage Period, repair or replace, at its option, all genuine Bombardier parts found defective in material and/or workmanship under normal use, maintenance and service, with genuine Bombardier parts without charge for parts and labor, at any local authorized Sea-Doo Sport Boat dealer.

3. CONDITION TO HAVE WARRANTY WORK VALIDATED

The customer must notify a local authorized Sea-Doo Sport Boat dealer within two (2) days of the appearance of the defect in material and/or workmanship and present to the servicing authorized Sea-Doo Sport Boat dealer the Sea-Doo warranty registration card or a proof of purchase of the new and unused Sea-Doo Sport Boat and must sign the repair/work order prior to the start of the repair in order to validate a warranty repair. All parts replaced under this limited warranty become the property of the international Sea-Doo distributor of the specific territory and/or Bombardier.

4. EXCLUSIONS — ARE NOT WARRANTED

- Normal wear and tear items:
- Labor, parts and lubricant costs of all maintenance services:
- Damages caused by failure to provide proper maintenance and/or storage, as described in the Sea-Doo Sport Boat Operator's Guide;
- Damages resulting from improper repairs, modifications or use of non-approved parts or, repairs non-performed by an authorized Sea-Doo Sport Boat dealer;
- Damages resulting from abuse, misuse, neglect, racing;
- Damages resulting from accident, fire, theft, vandalism or any act of God;
- Incidental or consequential damages, or damages of any kind such as but not limited to towing charges, telephone calls or taxi;
- Water damages caused by water ingestion;

- Damages related to gel coat finish including but not limited to cosmetic gel coat finish blisters or fiberglass delamination caused by blisters, crazing, spyder or hairline cracks and:
- Damages resulting from improper service or maintenance.

5. LIMITATIONS OF LIABILITY

This warranty gives you specific rights, and you may also have other legal rights resulting from the application of mandatory national laws which may vary from country to country. WHERE APPLICABLE, THIS WARRANTY IS EXPRESSLY GIVEN AND ACCEPTED IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUD-ING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. In no event shall Bombardier be liable for special. consequential or incidental damages, including but not limited to loss of use and transportation costs. Some countries do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply. Neither the distributor, any authorized Sea-Doo Sport Boat dealer nor any other person has been authorized to make any affirmation. representation or warranty other than those contained in this warranty, and if made, such affirmation, representation or warranty shall not be enforceable against Bombardier or any other person. Every Sea-Doo Sport Boat is sold with the English version of this warranty. Some authorized Sea-Doo international Distributor may elect to translate this warranty into local language, it is then understood and agreed that in the event of any discrepancies or inconsistencies between the two versions, the English version shall prevail. It is the customer's responsibility to ensure that the Sea-Doo Sport Boat complies with all boating regulations and standards of any country, other than the original country of sale, where the Sea-Doo Sport Boat is intended to be used. Bombardier reserves the right to modify this warranty at any time, being understood that such modification will not alter the warranty conditions applicable to the Sea-Doo Sport Boat sold while this warranty is in effect.

6. TRANSFER

If the customer sells the Sea-Doo Sport Boat guaranteed under the present, he shall assign and transfer this warranty, which shall be valid for the rest of the relevant period as defined in section 1 herein above, to the new customer.

7. CONSUMER ASSISTANCE

- a) In the event of a controversy or a dispute arising in connection with this Bombardier international 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 authorized local Sea-Doo international Distributor's Service Department should be contacted in order to resolve the matter.



BOMBARDIER *RECREATIONAL PRODUCTS*

October 2002

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REGISTRATION NUMBER LOCATION

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

Due to space availability for proper display of registration number, refer to the following illustration for location. The registration number must appear on each side of the sport boat.



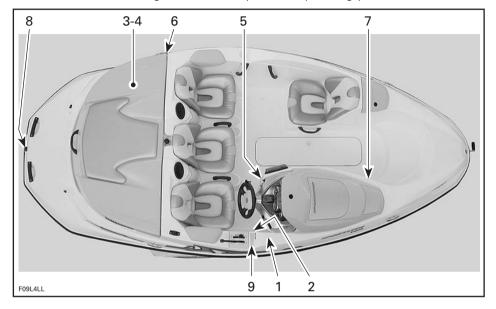
TYPICAL

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, operator guide and safety handbook before operation. Severe injury or death can result from ignoring warnings or through improper use of this sport boat. The performance of this

sport boat may significantly exceed that of other boats you may have operated. Therefore, use of this sport boat by novice or inexperienced operators is not recommended.

- 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 with this sport boat.
- Operator and passengers 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) on most forward bow seat(s) above idle speed.
- Properly attach safety lanvard to your PFD.
- Keep a safe distance from all other water users. Be aware of and observe all applicable laws and regulations.

F04LABL

Label 2



Label 3

MAXIMUM ENGINE POWER
CAPACITY RATING
OF THE CRAFT:

138.5 KW

F04LB5Y

TYPICAL — REFER TO ACTUAL LABEL ON BOAT

Label 4

∆WARNING

Do not boost battery.
Servicing of electrical components should be done by authorized dealer only.

F04LALY

Label 5

MARNING

Gasoline vapors can explode. Before starting engine, operate blower for 5 minutes and check engine compartment bilge for gasoline vapors.

F04LASY

Label 6

AWARNING

While fueling, stop engine(s), Fuel tank may be pressurized. Slowly turn cap when opening. Keep watercraft level. Do not overfill. Use regular unleaded gasoline, Check oil level. Periodically, inspect fuel system,

F04LATY

Label 7

∆ WARNING

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

F04I R6Y

Label 8

AWARNING

Engine(s) must be off when using platform. Keep away from jet nozzle(s) or intake grate(s).

F04LAVY

Label 9

⚠ WARNING

Never operate boat without tow tower secured and bolted in upright position. Always check that all bolts are in place and tight before and during use. Check at all times clearance height around docks, shore, overhanging objects, bridges and powerlines. All occupants must be seated when towing skier and never allow passengers to sit behind the tow rope attachment point. Do not use tower as a tie-down or tie-off.

204 901 045

F13L0KL

Label 10

△ WARNING

This tow tower is designed to provide a high attachment point for a wakeboard or a water ski tow rope only and not for parasailing, kite flying, or towing other watercraft or any other object. Tie tow rope only to tow mount and never allow loose tow rope ends to dangle. Do not tow more than one person at one time from this tow tower. Do not climb on, sit on, stand on, jump off, or drive off the tower.

204 901 044

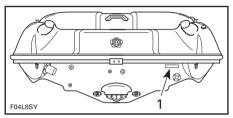
F13L0JL

IDENTIFICATION NUMBERS

The main components of the sport boat (hull and engine) 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.)

4-TEC™ Engine

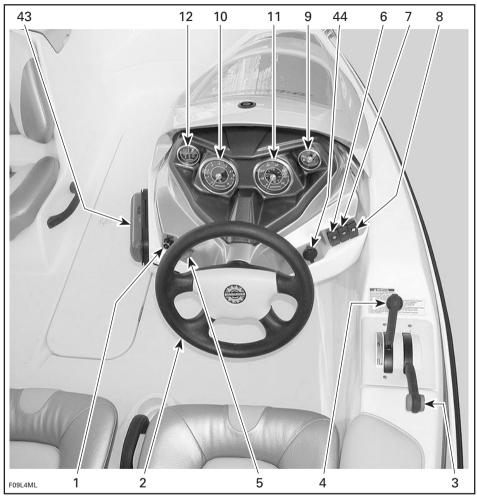
The Engine Identification Number (E.I.N.) is located on the upper crankcase on MAGNETO side.



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

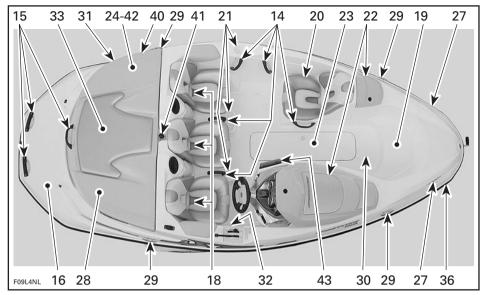
CONTROLS, COMPONENTS AND INSTRUMENTS LOCATION

Cockpit

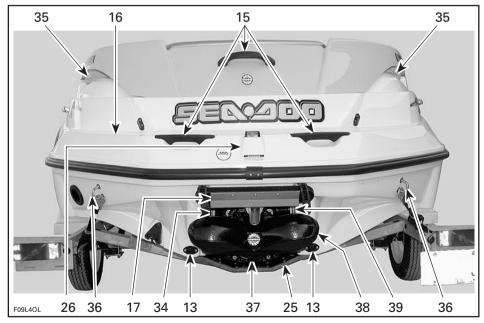


COCKPIT VIEW

Overview



TYPICAL



TYPICAL

18 _____

- 1. Safety Lanyard Post
- 2. Steering Wheel
- 3. Throttle Lever
- 4. Shift Lever
- 5. Start/Stop Button
- 6. Navigation Light Switch
- 7. Bilge Pump Switch
- 8. Bilge Air Blower Switch
- 9. Fuel Gauge
- 10. Tachometer
- 11. Speedometer
- 12. Cluster gauge
- 13. Bilge Drain Plugs
- 14. Grab Handles
- 15. Rear Grab Handles
- 16. Swim Platform
- 17. Ladder
- 18. Seats
- 19. Front Boarding Step
- 20. Spotter Seat
- 21. Cup Holders
- 22. Front Storage Compartment
- 23. Deck Storage Compartment

- 24. Rear Storage Compartment
- 25. Jet Pump Water Intake
- 26. Ski Tow (if so equipped)
- 27. Bow Light
- 28. Removable Stern Light (not shown)
- 29. Mooring Cleats
- 30. Deck
- 31. Fuel Tank Cap
- 32. Deck Drain Hole
- 33. Oil Fill Cap
- 34. Flushing Connector
- 35. Ventilation Ducts
- 36. Bow/Stern Evelets
- 37. Jet Pump Nozzle
- 38. Reverse Gate
- 39. Scupper Valve
- 40. Fuel Tank Vent
- 41. Ski Post
- 42. Main Battery Cut-Off Switch
- 43. AM/FM CD Stereo
- 44. 12-Volt Jack
- 45. Towing Tower (not shown)

CONTROLS, COMPONENTS AND INSTRUMENTS FUNCTIONS

1) Safety Lanyard (engine cut-out switch)

♠ WARNING

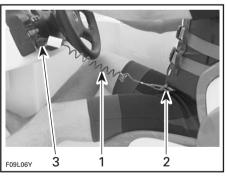
Always use safety lanyard when operating boat.

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.

↑ WARNING

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 when engine is off. Always disconnect safety lanyard when craft is not in operation.

MARNING

Do not lubricate the safety lanyard post.

♠ WARNING

While the boat engine can be stopped using the start/stop button, good driving habits recommend that the safety lanyard also be disconnected when stopped.

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 TROUBLE-SHOOTING section.

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 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 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 Interface 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 boat.

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

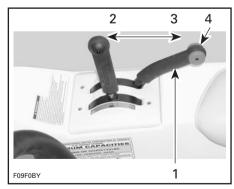
If the engine is stopped with the start/ stop button while the safety lanyard remains on the switch, it can be restarted within approximately 10 minutes by pressing the start/stop button. After this delay, it is necessary to apply slight pressure of the safety lanyard on the switch. Two short beeps should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

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.

3) Throttle Lever

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



TYPICAL

- 1. Throttle
- 2. Increase speed
- 3. Decrease speed
- 4. Idle position speed

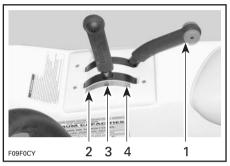
4) Shift Lever

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 engine starting.

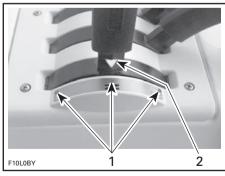


TYPICAL — SHIFT LEVER

- 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.

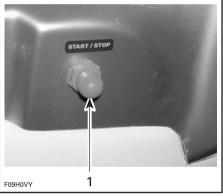
♠ WARNING

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.

5) Start/Stop Button

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



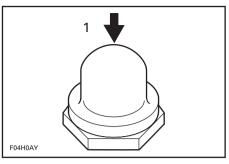
TYPICAL

1. start/stop button

Starting

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

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



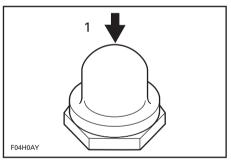
1. Start when engine is NOT running

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 install 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.

6) Navigation Light Switch

A 3-position NAV/OFF/ANC switch.

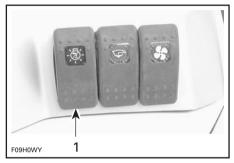
ANC: Turns on the anchorage light when the boat is anchored. Only the stern light is lit.

OFF: Turns off all lights.

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

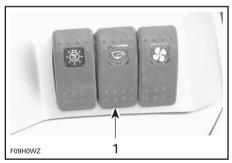
MARNING MARNING

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.



1. Navigation light switch

7) Bilge Pump Switch



1. Bilge pump switch

A 2-position OFF/bilge 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.

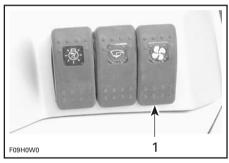
CAUTION: Ensure to always turn pump OFF when bilge is dry or before operating the engine above idle. Bilge pump will then switch to automatic mode.

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: 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.

8) Bilge Air Blower Switch



1. Bilge blower switch

A 2-position OFF/blower 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.

9) Fuel Gauge

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.

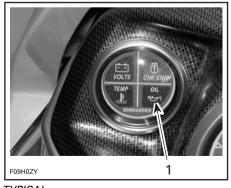


FUFI GAUGE

Oil Pressure Lamp

Located in the cluster gauge, the pilot lamp turns on when the oil pressure is low or high in the engine. Check oil 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. cluster gauge

10) Tachometer

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

Gauges are illuminated whenever the navigation lights are used.



TYPICAL

11) Speedometer

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

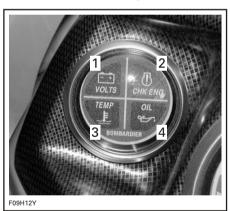
The gauge is illuminated whenever the navigation lights are used.

A speed sensor mounted on the transom sends the signal to the speedometer.



TYPICAL — SPEEDOMETER

12) Cluster Gauge



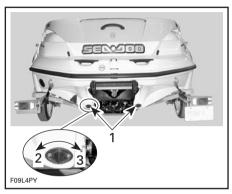
TYPICAL

- 1. Battery
- 2. Enginé
- 3. Temperature
- 4. Oil

13) Bilge Drain Plugs

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

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



TYPICAL

- 1. Drain plugs
- 2. Loosen
- 3. Tighten

14) Grab Handles

Provide a handhold for the passengers.

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.

15) Rear Grab Handle(s)

Provide a handhold for boarding when needed.

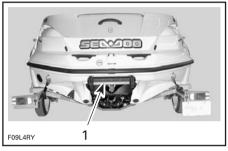
CAUTION: Never use the grab handle to tow anything or to lift the craft.

16) Swim Platform

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

Engine must be off when using swim platform. Keep away from jet or intake grate.

17) Ladder



1. Retractable ladder

Located under the swim platform, the ladder conveniently helps in reboarding the craft.

↑ WARNING

Engine should be OFF when using ladder. Keep limbs away from jet or intake grate. Only one person at a time on the ladder. Never use the ladder for pulling, towing, diving or jumping, boarding a craft that is out of the water or any other purpose other than a ladder.

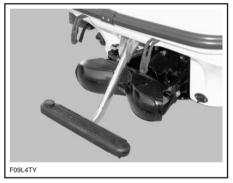
Pull latches to unlock the ladder.



TYPICAL

1. Latches

Slide ladder toward rear, then push down.



TYPICAL — LADDER LOWERED

To store ladder, lift horizontally completely, slide toward front and relatch both latches.

18) 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.

19) Front Boarding Step

Located at front of craft, it is provided as a boarding step.

↑ WARNING

No passenger should use the boarding step as a seat except when the sport boat is stopped.

20) Spotter Seat

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

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.

21) Cup Holders

Convenient locations for non-alcoholic beverages.

↑ WARNING

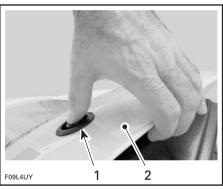
Never operate boat while under the influence of alcoholic beverages while aboard. Do not keep bottles, cans etc. in cup holders while riding at high speed and/or on rough water.

22) 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.

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

Push the latch button downward 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. Push lock button in
- 2. Lift up

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.

MARNING

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.



TYPICAL — SPOTTER SEAT STORAGE COMPARTMENT

23) Deck Storage Compartment

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

⚠ WARNING

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



TYPICAL
Step 1: 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.



TYPICAL

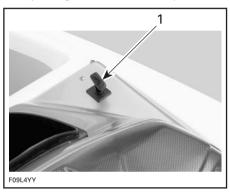
1. Gently push here to release the spring

24) 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 located beneath the front storage compartment lid upward to release engine cover latch, and open engine cover gently until stopped.

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



TYPICAL

1. Pull latch handle upward

Storage Tray

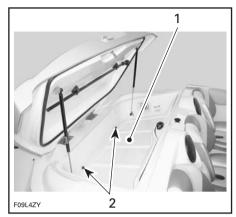
CAUTION: In order to avoid damage, MAXIMUM LOAD on storage tray must not exceed 22.5 kg (50 lb).

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 engine 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.



TYPICAL

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

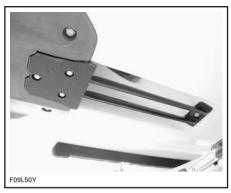
Firmly close storage compartment cover to relatch.

M WARNING

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

25) 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.

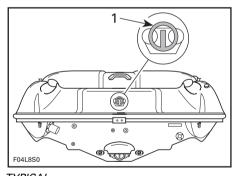


TYPICAL

♠ 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.

26) Ski Tow (if applicable)



TYPICAL

1. Ski tow

The hook is provided for your convenience.

↑ WARNING

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

CAUTION: Never use the ski tow to tow other boats.

27) Bow Lights

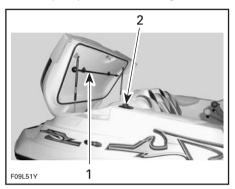
Mandatory red/green lights. See LIGHT SWITCH as mentioned earlier in this section.

28) Removable Stern Light

Mandatory white stern 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.

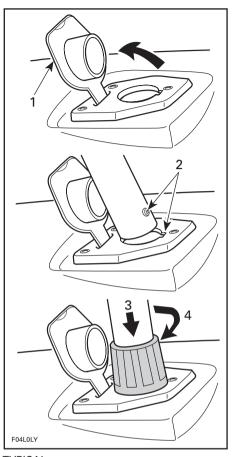


TYPICAL

- 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.



TYPICAL

- 1. 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.

29) Mooring Cleats

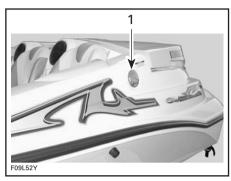
When mooring to a dock, it is recommended to secure with both front and rear cleats. The use of dock lines with sealed air fenders is recommended to protect your boat.

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

30) Deck

Flat surface of boat, should be kept clean and clear

31) Fuel Tank Cap



1. Fuel tank cap

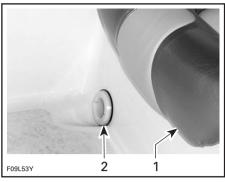
Unscrew the cap counterclockwise to allow fuel tank filling. Fully tighten when finished.

MARNING

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 remove any fuel spillage from the craft. Never use an open flame to check fuel level.

32) Deck Drain

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

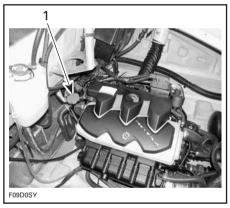


TYPICAL

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

33) Oil Fill Cap

The cap is located on the engine.



1. Oil fill cap

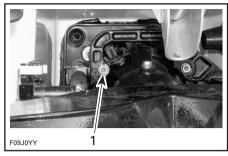
⚠ WARNING

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

34) Flushing Connectors

Refer to POST-OPERATION CARE section for proper use.

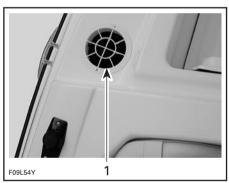
NOTE: Engine is provided with a flushing connector on jet pump support.



1. Flushing connector

35) Ventilation Ducts

Located beneath the engine compartment lid, the ventilation ducts supply air to the engine and ventilate engine compartment. Ventilation ducts should never be obstructed.



TYPICAL

1. Ventilation duct

36) Bow/Stern Eyelets

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



TYPICAL

- 1. Stern eyelet
- 2. Bow eyelet

37) Jet Pump Nozzle

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

38) Reverse Gate

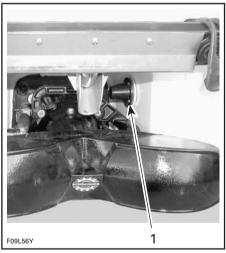
When selecting the neutral or reverse position with the shift lever, the reverse gate moves up or down to the desired position.

↑ WARNING

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.

39) Scupper Valve

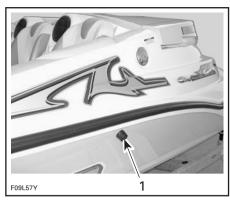
This is where water from the deck drains out. Keep clean to avoid clogging.



TYPICAL

1. Scupper valve

40) Fuel Tank Vent



1. Fuel tank vent

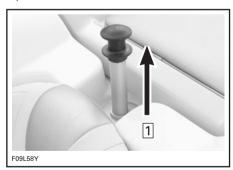
Vent allows fuel vapor and pressure release from fuel tank.

♠ WARNING

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

41) Ski Post

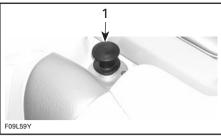
Pull up the post to allow hooking a ski rope.



TYPICAL

1. Lift ski post to use

Push down when finished.



TYPICAL

1. Ski post position when not used

MARNING

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

CAUTION: Never use the ski post to tow other boats.

♠ 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 docks, swimmers, other craft or objects. Be advised that serious injury can result if the tow rope becomes slack during a tight turn or when circling. The rope could become wrapped around the neck or limbs of a person.

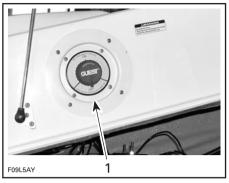
42) Main Battery Cut-Off Switch

The switch is located in the engine compartment, close to battery. It allows 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 the main battery OFF.



TYPICAL — MAIN BATTERY CUT-OFF SWITCH

1. Battery cut-off switch in OFF position

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: When the switch is turned OFF while craft is moored, the bilge pump will start if water comes up in the bilge.

43) Radio/CD Player



RADIO/CD PLAYER

Refer to manufacturer's guide for complete explanation of features and controls.

CAUTION: Using the radio/CD player for a prolonged time without engine running may discharge the battery.

44) 12-Volt Jack

A 12-volt jack in which to plug temporary accessories such as a cellular phone or portable television.



1. 12-volt jack

Lift protective cap to expose jack.

CAUTION: Using the accessory jack for a prolonged time without engine running may discharge the battery.

CAUTION: Close protective cap when jack is not in use to protect against weather.

45) Towing Tower

Convenient tower for skiing/wake-boarding.

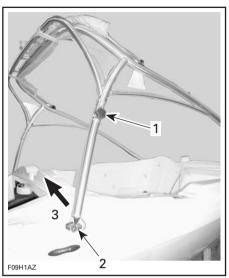
CAUTION: Always tow the vehicle with the towing tower fastened in the upright position to avoid damage to the boat and towing vehicle while in transport.

To clean tower, use mineral spirits and a clean soft cloth.

To prepare tower for storage, remove knobs from each side of tower.

NOTE: This procedure may require two people.

Storage support blocks are supplied to prevent damage to the deck.



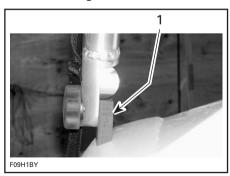
PERFORM FOR EACH SIDE

- 1. Remove from each side
- 2. Push in release button and pull support from socket
- 3. Rotate to rear and upwards

Carefully rotate rear support arms of back support posts to the rear and upwards.

Lower tower.

Using knobs previously removed, place through tower joint and screw into storage support blocks as shown in the following illustration.



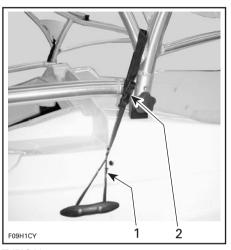
TYPICAL

1. Screw knob into this block

Carefully lower tower onto deck.

Install straps by placing looped end over rear mooring cleats as shown in next illustration.

Wrap other end around tower tubing, close fasteners and pull down on loose end of strap to tighten.



TYPICAL

- 1. Looped end
- 2. Fastener

Erection of tower is reverse of this procedure.

Place storage support blocks in glove-box or other secure storage for later use.

Fuses

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

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

MARNING

Follow these safe boating fueling instructions explicitly.

Turn off engine.

Do not allow anyone to remain on the sport boat.

Tie sport boat securely to the fueling pier.

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

Pour fuel slowly so that air can escape from the tank and prevent fuel flow-back. Be careful not to spill fuel.

Stop filling when the fuel reaches the bottom of filler neck. Do not fill into the filler tube to prevent fuel spillage. **Do not overfill.** Fully tighten fuel tank cap.

⚠ 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, turn cap slowly when opening. Never use an open flame to check fuel level. When fueling, keep boat level. Do not overfill or top off the fuel tank and leave boat in the sun. As temperature increases, fuel expands and might overflow. Always remove any fuel spillage from the boat. Periodically verify fuel system.

Recommended Fuel

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

CAUTION: Never experiment with other fuels or fuel ratios. Never use fuel containing more than 10% alcohol, (ethanol or methanol). The use of non-recommended fuel can result in sport boat performance deterioration and damage to critical parts in the fuel system and engine components

Engine Oil

Recommended Oil

This sport boat features a **4-stroke** engine that requires 4-stroke motor oil for internal engine lubrication. Ensure to respect the following requirements.

Use 4-stroke engine oil that meets or exceeds the requirements for API service classification SG, SH or SJ. Always check the API service label on the oil container to be sure it includes those letters. Only use high-quality high-detergent oil.

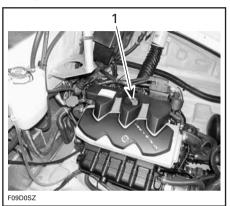
CAUTION: Never use any two-stroke engine oil.

Oil Viscosity

SAE 10W40 is recommended for all seasons.

Oil Level

CAUTION: Check level frequently and refill if necessary. Do not overfill it would make the engine smoke and reduce its power. Operating the engine with an improper level may severely damage engine. Wipe off any spillage.



TYPICAL

1. Dipstick

Check the oil level as follows:

NOTE: Before checking the oil level on this engine, it is necessary to let it idle for 30 seconds **before** shutting it off. Thereafter it is necessary to wait 30 seconds. Then, the oil can be checked. This is required to allow the oil to properly level in the different oil chambers. Otherwise, you will have a false oil level reading.

 Sport boat must be level. Check oil level either with boat in water or out of water. Engine should be warm.

CAUTION: Never run engine without supplying water to the exhaust cooling system when boat is out of water.

 If out of water, raise trailer tongue and block in position when bumper rail is level. Install a garden hose to the flushing connector. Refer to FLUSH-ING in POST-OPERATION CARE and follow the procedure. **CAUTION:** Failure to flush exhaust cooling system, when engine is out of water, may severely damage engine and/or exhaust system.

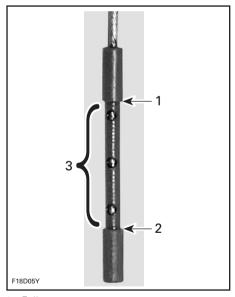
- 3. Warm-up engine then let idle for 30 seconds before stopping.
- 4. Stop engine.
- 5. Wait at least 30 seconds then pull dipstick out and wipe clean.

⚠ WARNING

Engine oil may be hot. Certain components in the engine compartment may be very hot. Direct contact may result in skin burn.

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

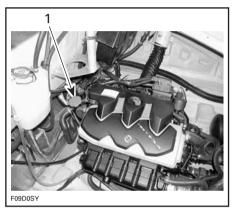
- 6. Reinstall dipstick, push in completely.
- 7. Remove dipstick and read oil level. It should be between marks.



- 1. Full
- 2. Add
- 3. Operating range
- 8. Otherwise, add oil up to have the level between marks as required.

 To add oil, unscrew oil cap. Place a funnel into the opening and add the recommended oil to the proper level. Do not overfill.

NOTE: Every time oil is added in engine, the complete procedure explained above must be done (engine restarted, idling for 30 seconds, 30 seconds waiting time and then, rechecking the oil level). This is required to allow the oil to properly transfer in the different oil chambers and to then level. Otherwise, you will have a false oil level reading.



TYPICAL

1. Oil cap

10. Properly reinstall oil cap and dipstick.

Engine Coolant Recommended Coolant

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

NOTE: When available, it is recommended to use biodegradable antifreeze compatible with internal combustion aluminum engines. This will contribute to protect the environment.

Cooling system must be filled with water and antifreeze solution (50% water, 50% antifreeze).

Bombardier sells premixed coolant with freezing protection up to - 52°C (- 62°F) (P/N 293 600 038).

To prevent antifreeze deterioration, always use the same brand. Never mix different brands unless cooling system is completely flushed and refilled. Refer to an authorized Bombardier Sea-Doo dealer.

Coolant Level

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

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



1. Level between marks when engine is cold

NOTE: The sport boat is level when it is in water. When on a trailer, raise trailer tongue and block in this position when bumper rail is level.

Add coolant to have the level between marks as required. Use a funnel to avoid spillage. **Do not overfill.**

Properly reinstall and tighten filler cap.

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

Coolant Replacement

Refer to MAINTENANCE section.

BREAK-IN PERIOD

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

With Sea-Doo sport boats powered by Rotax® engines, a break-in period of 10 hours is required before continuous operation at full throttle.

To achieve a good break-in, throttle lever should not be depressed more than 3/4, however, brief acceleration and speed variations contribute to a good break-in.

CAUTION: Continued wide open throttle runs and prolonged cruising without speed variations should be avoided, this can cause engine damage during the break-in period.

NOTE: Never add oil in fuel tank during break-in period.

10-Hour Inspection

It is highly recommended that after the first 10 hours of operation, the sport boat be checked by an authorized Sea-Doo dealer. This inspection will also provide the opportunity to discuss the 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	n test	
Oil lines and filter		
Engine support and engine rubber mounts		
Muffler, battery and reservoir fastening device	es	
Exhaust system hose clamps torque		
Steering system		
Steering cable adjustment if required		
Shifter cable adjustment if required		
Ensure that throttle lever keeps the selected pnecessary	position. Adjust lever tension as	
Hose condition and fasteners		
Bilge pump and bilge blower		
DESS system and start/stop button operation		
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		
Water intake grate/hull condition		
Inspection of fasteners for tightness		
Inspect/clean engine drain tube		
We recommend that this inspection cha	art be signed by an authorized d	ealer.
Date of 10-hour inspection	Authorized dealer signature	
	Dealer code	

PRE-OPERATION CHECKS

MARNING

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

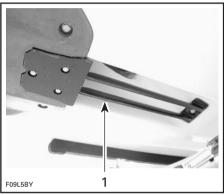
ITEM	OPERATION	1
Hull	Inspect.	
Jet pump water intake	Inspect/clean.	
Bilge	Drain. Ensure plug is secured.	
Battery	Inspect tightness of cables and retaining straps.	
Main battery cut-off switch	Ensure it is in the ON position.	
Navigation lights	Check operation.	
Fuel reservoir	Refill.	
Engine compartment	Verify fuel/oil system components.	
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.

MARNING

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

Battery

Verify tightness of battery cables to their posts and condition of retaining straps/fasteners. Do not boost battery while installed.

Fuel Tank and Oil Level

With the craft horizontal, fill the fuel tank.

Check the oil level and refill as necessary as per Engine Oil section.

Check fuel tank retaining straps/fasteners.

Engine Compartment

MARNING

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 nozzles should be in the straight ahead position. Ensure the jet pump nozzles pivot 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.

↑ WARNING

Check throttle lever operation before starting the engine.

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

If engine does not shut-off when pushing engine start/stop button or by disconnecting the safety lanyard, see an authorized dealer.

↑ WARNING

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 into place.

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 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 boat 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.

CAUTION: Always ensure rear storage compartment lid is closed and securely fastened **before** trailering.

Principle of Operation Propulsion

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. The water then flows through the impeller to a venturi. The venturi accelerates the water and produces thrust to move the sport boat. Pushing the throttle lever forward increases engine speed and therefore sport boat speed.

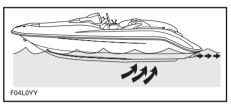
With shift lever pushed forward, the sport boat moves forward. In pulled back position, the sport boat moves backwards. The middle position is neutral and the sport boat is at the minimum thrust for most conditions. Neutral and reverse are achieved by means of a gate, which is installed on jet pump venturi 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.



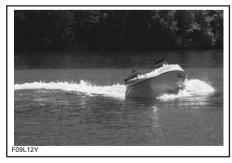
TYPICAL

M WARNING

Whenever an engine is to be started, the operator and passengers should always be sitting in the craft with the shifter 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 wheel clockwise will turn the sport boat to the right and inversely.



TYPICAL

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

Throttle must be applied 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.

This craft needs some throttle applied in order 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 wheel 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 with which you might collide.

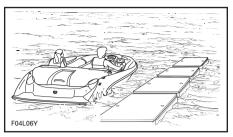
⚠ WARNING

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

Boarding from a Dock

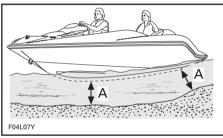
As with any boat, boarding should be done carefully and engine must not be running.

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 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.

↑ WARNING

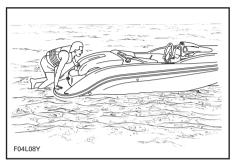
Engine should not be running while boarding. Never use propulsion components as a supporting point to board the craft.

Swim to the rear of the sport boat.

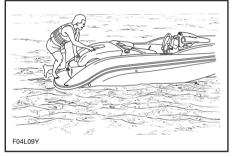
Release rubber stays on one-step ladder pulling ladder out and down into boarding position. Grip the grab handle and pull yourself upward until your knee can reach the swim platform.

⚠ WARNING

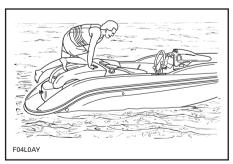
Never leave ladder in down position when engine is running or craft is in motion. Always secure ladder with rubber stays when not in use.



TYPICAL



TYPICAL



TYPICAL

↑ WARNING

Do not start engine until all passengers are properly seated.

Starting

Always activate bilge blower 5 minutes minimum before starting the engine. The bilge blower will ventilate the bilge.

MARNING

Bilge blower must be turned off during sport boat operation.

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. Turn off bilge blower.

Start engine. Check tachometer to monitor engine.

↑ WARNING

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

Cold and Warm Engine

Do not depress the throttle lever to start either a cold or warm 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 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.

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 alongside.

↑ WARNING

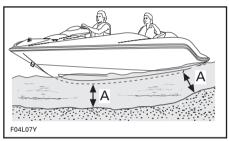
Directional control is reduced when throttle is released and lost when engine is off.

When close to the dock, shut off the engine.

Beaching

CAUTION: It is not recommended to run the sport boat onto 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

↑ WARNING

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

As necessary, the cooling system of the engine should be flushed before restarting, in order 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 sport boat.

⚠ WARNING

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

POST-OPERATION CARE

♠ WARNING

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 plugs and tilt the sport boat to the rear in order to allow water to drain.

Remove 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.

Exhaust Cooling System Flushing

General

Flushing the exhaust 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 jackets and/or hoses.

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.

MARNING

Perform this operation in a well ventilated area.

Proceed as follows:

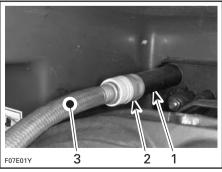
Clean jet pump by spraying water in its inlet and outlet and then apply a coating of Bombardier LubeTM lubricant or equivalent.

⚠ WARNING

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

Connect a garden hose to connector located at the rear of sport boat on jet pump support. **Do not open water tap yet.**

NOTE: An optional quick connect adapter can be used (P/N 295 500 473). No hose pincher is required to flush engine.



TYPICAL

- 1. Hose adapter
- 2. Quick connect adapter (optional, not mandatory)
- 3. Garden hose

Flushing

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

MARNING

Certain components in the engine compartment may be very hot. Direct contact may result in skin burn. 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. Open water tap immediately after engine is started to prevent overheating.

Run the engine about 20 seconds at a fast idle between 4000 - 5000 RPM.

CAUTION: Never run engine without supplying water to the exhaust cooling system when sport boat is out of water.

Ensure water flows out of jet pump while flushing. Otherwise, refer to an authorized Sea-Doo dealer for servicing.

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

Close the water tap, **then** stop the engine.

CAUTION: Always close the water tap before stopping 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

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. 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 setting 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.

MARNING

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

This 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

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

Drain bilge.

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

CAUTION: Never try to crank or start the engine. Water trapped in intake manifold would flow towards the engine and may cause severe damage to the engine.

Bring the sport boat to be serviced by an authorized Sea-Doo dealer as soon as possible.

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

Water-Flooded Engine

CAUTION: Never try to crank or start the engine. Water trapped in intake manifold would flow towards the engine and may cause severe damage to the engine.

Bring the sport boat to be serviced by an authorized Sea-Doo dealer as soon as possible.

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

Fuel-Flooded Engine

When the engine does not start after several attempts, the engine may be fuel-flooded. Proceed as follows.

To prevent fuel to be injected and also to cut the ignition at the engine cranking, proceed as follows.

While engine is stopped, fully depress throttle lever and HOLD for cranking.

Crank engine several times.

If it does not work:

Disconnect ignition coil connectors.

MARNING

When disconnecting coil from spark plug, always disconnect coil from main harness first. Never check for engine ignition spark from an open coil and/or spark plug in the engine compartment as spark may cause fuel vapor to ignite.

Remove ignition coils.

CAUTION: Ensure there is no dirt in coil holes prior to removing the spark plugs. Otherwise, dirt would fall into cylinder and will damage the internal components.

Remove spark plugs.

NOTE: After untightening the spark plugs, a coil may be used to pull the spark plugs out. Simply bring the coil down to spark plug and "hook" it to then extract spark plug.

Install new spark plugs if available or dry spark plugs using a rag.

Cover spark plug holes with a rag.

Crank engine several times while keeping throttle fully depressed.

Reinstall spark plugs and ignition coils. Install clean dry spark plugs if possible. Reconnect ignition coil connector.

NOTE: Prior to inserting the ignition coil to its location, apply some Molykote 111 grease (P/N 413 707 000) around the seal area that touches the spark plug hole. After installation, ensure the seal seats properly with the engine top surface.

Start engine as explained above. If engine continues to flood, see an authorized Sea-Doo dealer.

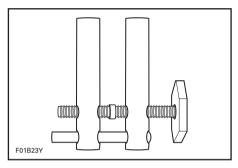
CAUTION: Never run engine without supplying water to the exhaust cooling system when sport boat is out of water.

Towing the Sport Boat in Water

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

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

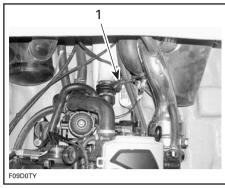
When towing your sport boat in water, pinch the water supply hose from the impeller housing to the exhaust manifold with a large hose pincher (P/N 529 032 500).



This will prevent the exhaust cooling system from filling which may lead to water being injected into and filling the engine. 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 sport boat in water and do not have a 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 water supply hose as shown.



TYPICAL

1. Hose pincher

CAUTION: When finished towing the sport boat, hose pincher must be removed before operating it. Failure to do so will result in damage to the engine.

Low-Charge Battery Condition

⚠ WARNING

See your authorized Sea-Doo dealer to have it charged or replaced. Do not charge or boost the battery while installed on the craft. Electrolyte is poisonous and capable of causing severe burns.

MAINTENANCE

↑ WARNING

Only perform procedures as detailed in this guide. It is recommended that the assistance of an authorized dealer be periodically obtained on other components/systems not covered in this guide. Unless otherwise specified, engine must not be running and the main battery cut-off switch must be turned OFF for all maintenance procedures.

↑ 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 exchanger in the ride plate may become very hot. Avoid any contact with ride plate as burns may occur.

Lubrication

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

Anticorrosion Protection

Throttle Cable

Lubricate the throttle cable with Bombardier LubeTM 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.

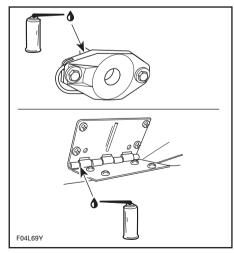
CAUTION: Do not lubricate connectors of the Interface and the engine Electronic Control Unit (EMS ECU).

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.

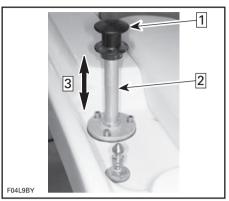
Rear Storage Compartment Cover Mechanism and Hinges



TYPICAL

Ski Post

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



TYPICAL

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 pivot points.

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.

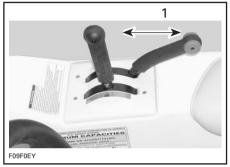
The PERIODIC INSPECTION CHART at the end of this document gives guidelines for regular sport boat servicing schedule to be performed by you and/or by an authorized dealer. The schedule should be adjusted according to operating conditions and use.

Throttle Cable

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

MARNING

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



 $TYPICAL-THROTTLE\ LEVER$

1. Must move freely

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 operate freely from side to side and is not stressing the steering cable.

Reverse Gate

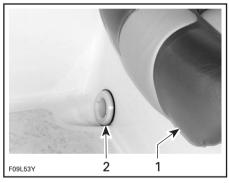
When shift lever is in forward position, reverse gate should be in an upward position and locked. With the shift lever in neutral position, reverse gate should be in intermediate position. When shift lever is in reverse position, reverse gate should be in downward position. Refer to an authorized dealer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

MARNING

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

Deck Drain

Remove any obstruction(s) from deck drain outlet.



TYPICAL

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

Fuses

Accessories, Engine Electrical System and Gauges

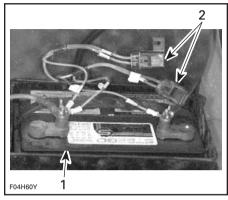
If a fuse is defective, replace by one of the same rating.

↑ WARNING

Do not use a higher rated fuse as this can cause severe damage. If a fuse has burnt out, the 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 switch in engine compartment.

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

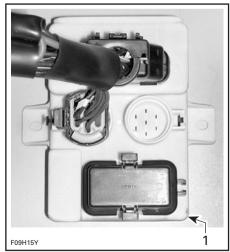


TYPICAL

- 1. Battery
- 2. Main fuses

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

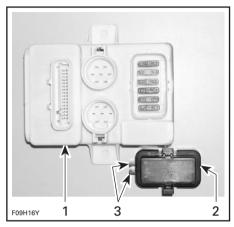
Fuses for the electrical system of the engine are mounted in the fuse block, which is located in the engine compartment.



TYPICAL

1. Fuse block

Fuses for the accessories and the gauges are mounted in the gauge interface, which is located behind the dash.

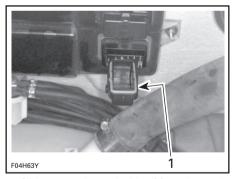


TYPICAL

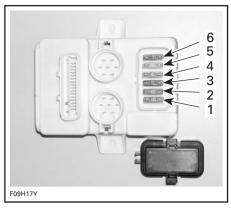
- 1. Interface
- 2. Fuse cover
- 3. Use these tabs as a fuse puller

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

Use the cover tabs to remove the fuse.



 Slide cover tabs each side of fuse then pull fuse out



TYPICAL — INTERFACE

- 1. Radio
- 2. 12-volt jack
- . Blower
- 4. Navigation lights
- 5. Bilge pump
- 6. Spare

When finished, ensure to properly place seal in cover.

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

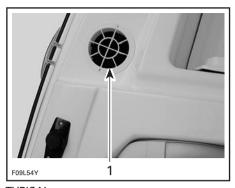
Charging System

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

Fuses for the charging system are located at the starter relay in the engine compartment.

Bilge Air Blower

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



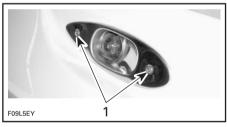
TYPICAL

1 Blower

↑ WARNING

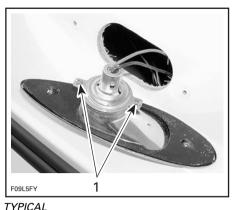
If bilge blower does not operate properly, refer to an authorized dealer before starting the sport boat.

Navigation Light Bulb Replacement Bow Light



TYPICAL

1. Remove these screws



I YPICAL

1. Remove these screws



TYPICAL

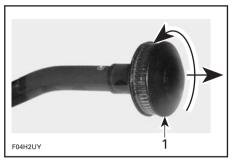
1. Push in. twist and remove bulb

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

Apply dielectric grease on bulb contact surface.

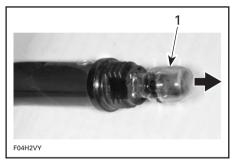
Stern Light

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 the fuel system 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.

If at any time, gasoline leaks/odors 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) 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[†] or the equivalent.

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

[†] Knight's Spray Nine is a registered trademark of Knight Oil Corporation.

STORAGE AND PRE-SEASON PREPARATION

⚠ WARNING

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.

Fuel System

Sea-Doo fuel stabilizer (or equivalent), can be added in fuel tank to prevent fuel deterioration and fuel system gumming. Follow stabilizer manufacturer's instructions for proper use.

CAUTION: Fuel stabilizer should be added prior to engine lubrication to ensure fuel system components protection against varnish deposits.

MARNING

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, turn cap slowly when opening. Never use an open flame to check fuel level. When fueling, keep boat level. Do not overfill or top off the fuel tank and leave boat in the sun. As temperature increases, fuel expands and might overflow. Always wipe off any fuel spillage from the boat. Periodically verify fuel system. Always turn the fuel tank valve (if so equipped) to OFF position when the boat is not in use.

Engine Oil and Filter Replacement

The oil change and filter should be performed by an authorized Sea-Doo dealer.

Exhaust Cooling System Flushing and Engine Internal Lubrication

Connect a garden hose to cool the exhaust system as explained in FLUSH-ING under POST-OPERATION CARE.

Bring engine to normal operating temperature.

CAUTION: Properly follow the instructions given in the flushing procedure.

Close the water tap, **then** stop the engine.

Pull engine cover upward to remove it. Disconnect ignition coil connectors.

↑ WARNING

When disconnecting coil from spark plug, always disconnect coil from main harness first. Never check for engine ignition spark from an open coil and/or spark plug in the engine compartment as spark may cause fuel vapor to ignite.

IMPORTANT: Never cut the locking ties of ignition coil connectors. This would allow mixing the wires between cylinders.

Remove ignition coils.

CAUTION: Ensure there is no dirt in coil holes prior to removing the spark plugs. Otherwise, dirt would fall into cylinder and will damage the internal components.

Remove spark plugs.

NOTE: After untightening the spark plugs, a coil may be used to pull the spark plugs out. Simply bring the coil down to spark plug and "hook" it to then extract spark plug.

Spray Bombardier Lube™ lubricant or equivalent, in spark plug holes.

To prevent fuel to be injected and also to cut the ignition at the engine cranking, proceed as follows.

While engine is stopped, fully depress throttle lever and HOLD for cranking.

Crank the engine a few turns to distribute the oil on cylinder wall.

Apply anti-seize lubricant on spark plug threads then reinstall them.

NOTE: Prior to inserting the ignition coil to its location, apply some Molykote 111 grease (P/N 413 707 000) around the seal area that touches the spark plug hole. After installation, ensure the seal seats properly with the engine top surface.

Reinstall ignition coils. Reconnect ignition coil connectors.

To reinstall engine cover, push it downward until it snaps.

Wipe up any residual water from the engine.

Disconnect the garden hose.

NOTE: It is recommended to fog the engine valves with Bombardier LubeTM lubricant. Contact your authorized Sea-Doo dealer.

Battery

Contact your authorized Sea-Doo dealer.

Engine Cooling System

Antifreeze should be replaced for the storage period to prevent antifreeze deterioration.

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

CAUTION: Improper antifreeze mixture might allow freezing of the liquid in the cooling system if vehicle is stored in area where freezing point is reached. This would seriously damage the engine. Failure to replace the antifreeze for storage may allow its degradation that could result in poor cooling when engine will be used.

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[†] 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 plugs and lift front end of sport boat to completely drain bilge.

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.

[†] Knight's Spray Nine is a registered trademark of Knight Oil Corporation.

If the sport boat is to be stored outside, cover it with a vented opaque tarpaulin to prevent UV (ultraviolet) 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 CAU-TIONS 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 pre-season 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 Interface 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 Interface (memory).	Refer to an authorized dealer.
Continuous.	Engine overheating.	Refer to ENGINE OVERHEATS below.

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Engine will not Start

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
Engine does not turn over and the monitoring beeper sounds.	Refer to monitoring beeper coded signals above.	
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 oil.	Refer to ENGINE MISFIRES.Siphon and replace.
Overheated engine.	 See ENGINE OVERHEATS. 	

Sport Boat cannot Reach Top Speed

OTHER OBSERVATION	POSSIBLE CAUSE	REMEDY
	 Jet pump water intakes clogged. 	• Clean.
	Damaged impeller.	 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.

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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 establishments or individual.

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

PERIODIC INSPECTION CHART

			FREQUENCY					
	DESCRIPTION	FIRST 10 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS OR PRE-SEASON	TO BE PERFORMED BY		
GENERAL	Fire extinguisher condition/mounting 4	'			✔2	0		
GENERAL	Lubrication/corrosion protection	1		V	>	0		
	Head bolts, retorque	V			'	D		
	Support and rubber mount condition/tightness	>		~		D		
	Exhaust system fasteners/hoses @	'		~	>	D		
ENGINE	Counterbalance shaft oil level (if so equipped)			~	>	D		
	Spark plug inspection, cleaning and adjustment	~				D		
	Spark plug replacement			~		D		
	Ignition timing	V			~	D		
	Flushing		✓ ③			0		
COOLING	Hose condition and fasteners	~		~	'	D		
SYSTEM	Inspect/clean engine drain tube	/ 1	~			D		
	Water flow regulator valve inspection				>	D		
	Throttle cable, inspection/lubrication @	1	'		>	D		
	Fuel filter and lines inspection 4	'	/		>	D		
	Fuel filter replacement				✓	D		
FUEL SYSTEM	Fuel vent line pressure relief valve inspection		~		✓	D		
	Fuel lines, check-valve and fuel system pressurization \oplus	'	~		>	D		
	Fastener tightening @	'		~	>	D		
	Fuel tank straps @	>			>	0		
	Fuel tank filling				/ 2	0		
LUBRICATION SYSTEM	Oil lines inspection ®	~	~		✓	D		
	Oil filter replacement				✓	D		
	Oil filling				v 2	0		
ELECTRICAL SYSTEM	Main battery cut-off switch 4	'	~		✓	D		
	Lights condition/operation	/	~		v 2	D		
	Bilge blower and bilge pump inspection ④	/	/		√ ②	D		
	Electrical connections (ignition system, electrical box(es), starting system, etc.) ④	~	~		~	D		
	Digitally Encoded Security System	~			/ 2	D		
	Monitoring beeper	~		V	'	D		
	Battery tightness ④	~		V	/ 2	D		
	Battery charging				/	D		
	Sacrificial aluminum anode			~		0		

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		FREQUENCY					
	DESCRIPTION	FIRST 10 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS OR PRE-SEASON	TO BE PERFORMED BY	
STEERING SYSTEM	Inspection and cable adjustment @	~		~	~	D	
	Drive shaft boot and spline condition			~		D	
PROPULSION SYSTEM	Drive shaft floating seal C-clip position			~		D	
	Shifter system/cable adjustment @	~			V	D	
	Jet pump reservoir oil level/oil condition	REPLACE	~		REPLACE	D	
	Jet pump cover pusher inspection				V	D	
	Impeller condition and impeller/wear ring clearance			~		D	
	Water intake grate condition			v 2		0	
HULL AND BODY	Hull condition ④	~			v 2	0	
	Ride shoe condition	~			~	0	
	Storage compartment cover locks lubrication	1		~		0	
	Deck drains/scupper valve cleaning @	~	~		v 2	0	

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™ 4 TEC™				
Engine type		Rotax® 1503 4-TEC, 4-stroke, Over Head Camshaft (OHC), liquid cooled				
Number of cylinders		3				
Number of valves		12 valves with hydraulic lifters (no adjustme				
Displacement		1493.8 cc (58.81 cu. in)				
Compression ratio		10.6 +/- 0.4:1				
Maximum HP PRM		7300 +/- 100 RPM				
Lubrication		Dry sump with replaceable oil filter				
Oil filter		CHAMPION				
Exhaust system		Water cooled, water injected with regulator				
Starting system		Electric start				
ELECTRICAL						
Magneto genera	ator output	380 W @ 6000 RPM				
Ignition system	type	DI (Digital Induction)				
Ignition timing		Not adjustable				
Spark plug	Make and type	NGK DCPR8ES				
Spark plug	Gap	0.75 mm (.030 in)				
Battery charging coil		0.1 - 1.0 Ω				
Ignition coil	Primary	0.45 - 0.55 Ω				
ignition con	Secondary	6.8 - 10.2 Ω				
Engine RPM lim	iter setting	7650 RPM				
Battery		12 V, 30-A•h				
	TOPS	10A				
	Battery fuse	30 A				
	Cylinder 1, ignition coil and injection	10 A				
	Cylinder 2, ignition coil and injection	10A				
	Cylinder 3, ignition coil and injection	10 A				
Fuse	Electric bilge pump	3 A				
	Starting system, electric fuel pump	10A				
	EMS, start/stop circuit	5 A				
	Main	30 A				
	Interface	5 A				
	Charging system	30 A				

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Fuel injection type		Multipoint fuel injection			
	Туре	Regular unleaded gasoline			
Fuel	Minimum octane number	87			
COOLING					
Type		Liquid cooled. Closed loop for engine - open loop for exhaust system			
Coolant		Ethylene-glycol 50%/50% antifreeze/water- coolant containing corrosion inhibitors for internal combustion aluminum engines			
PROPULSI	ON				
Propulsion :	system	BOMBARDIER Formula pump			
Jet pump ty	/pe	Axial flow, single stage. Greased bearings			
Transmissic	n	Direct drive			
Grease type		Sea-Doo grease (P/N 293 550 032), 10 mL front bearing, 50 mL rear bearing 50 mL in pump cap			
Steering nozzle pivoting angle		26°			
Minimum required water level for jet pump		90 cm (3 ft)			
Additional	information: Do not mix d	ifferent brands or oil types.			
DIMENSIO	NS				
Number of passengers (driver included)		4			
Overall leng	yth .	4.67 m (184 in)			
Overall wid	th	2.16 m (85 in)			
Overall heig	ght	1.17m (46 in)			
Weight		658.6 kg (1452 lb)			
Dead rise		20°			
Load limit (passengers + luggage)		324.3 kg (715 lb)			
	S				
CAPACITIE		3 L (3.2 U.S. qt.) oil change w/filter			
CAPACITIE Engine oil		4.5 L (4.75 U.S. qt) total			
Engine oil	tem (coolant)	4.5 L (4.75 U.S. qt) total 5.5 L (5.8 U.S. qt) total			

BOMBARDIER INC. 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.

BOMBARDIERRECREATIONAL PRODUCTS



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 Director - Public and Regulatory Affairs —

Bombardier Motor Corporation of America: 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

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

CHANGE OF ADDRESS

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.

CHANGE	OF	ADL	DRESS

CHANGE OF ADDRESS		
CRAFT IDENTIFICATION NUMB	ERS	Hull Identification Number (H.I.N.)
OLD ADDRESS:		NAME
 	NO.	STREET APT
NEW ADDRESS:		STATE/PROVINCE ZIP/POSTAL CODE
 -	NO.	NAME 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.

Bombardier will provide a list of stolen units to all authorized Sea-Doo dealers on a monthly basis to aid in recovery of such units to their owners.

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AFFIX PROPER POSTAGE

BOMBARDIER

RECREATIONAL PRODUCTS

WARRANTY DEPARTMENT 75, J.A. BOMBARDIER ST. SHERBROOKE (QUEBEC) CANADA J1L 1W3

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CHANGE OF ADDRESS 🛄			
CRAFT IDENTIFICATION NUMB	ERS	Hull Identification Number (H.I.N	
OLD ADDRESS:		NAME	
 	NO.	STREET	APT
 	CITY	STATE/PROVINCE	ZIP/POSTAL CODE
NEW ADDRESS:		NAME	
 	NO.	STREET	APT
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CHANGE OF ADDRESS 🛄		
CRAFT IDENTIFICATION NUMB	ERS	Hull Identification Number (H.I.N.)
OLD ADDRESS:		NAME
1 	NO.	STREET APT
 	CITY	STATE/PROVINCE ZIP/POSTAL CODE
NEW ADDRESS:		NAME
 	NO.	STREET APT
	CITY	STATE/PROVINCE ZIP/POSTAL CODE

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BOMBARDIER

RECREATIONAL PRODUCTS

WARRANTY DEPARTMENT 75, J.A. BOMBARDIER ST. SHERBROOKE (QUEBEC) CANADA J1L 1W3

					1			
SPORT B	OAT MODEL No							
HULL IDENTIFI	CATION NUMBER (F	H.I.N.)						
	MERCURY OR ROTAX ENGINE IDENTIFICATION NUMBER (E.I.N.)							
Owner:	Owner							
		NAM	E					
	No.	STRE	ET		APT			
	CITY	STATE/PRO	OVINCE		ZIP/POSTAL CODE			
	e Date y Expiry Date To be completed by	YEAR YEAR YEAR	MONTH MONTH MONTH	DAY DAY	of the sale.			
DEALER IMPRINT AREA								

Please verify with your selling dealer to ensure your SEA-DOO craft has been registered with Bombardier.

