

# SEA-DOO

**Sport Boats**

## OPERATOR'S GUIDE



219 000 122

**CHALLENGER  
SPORTSTER LE**

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# **BOMBARDIER LIMITED WARRANTY NORTH AMERICA: SEA-DOO® SPORT BOAT**

## **1. WARRANTY COVERAGE PERIOD**

In Canada, BOMBARDIER INC. ("Bombardier"), and in the USA, Bombardier on behalf of BOMBARDIER MOTOR CORPORATION OF AMERICA (BMCA), warrants FROM THE DATE OF DELIVERY TO THE FIRST CONSUMER that each SEA-DOO 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 non-current new 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 part found defective in material and/or workmanship, under normal use, maintenance and service, with a genuine BOMBARDIER part 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 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 BOMBARDIER.

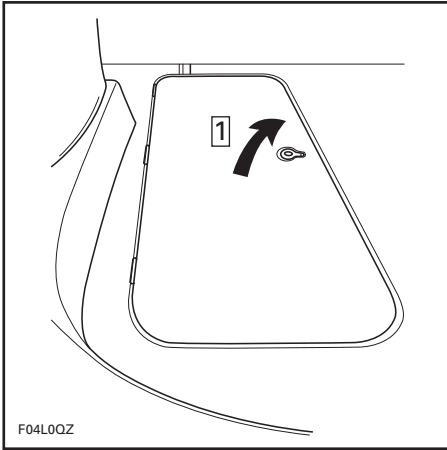
## **4. EXCLUSIONS — ARE NOT WARRANTED**

- 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;

1. Safety Lanyard Post
2. Steering Wheel
3. Throttle Lever(s)
4. Shift Lever
5. Start/Stop Button(s)
6. Choke Lever(s)
7. Navigation Light Switch
8. Bilge Pump Switch
9. Bilge Air Blower Switch
10. Fuel Gauge/Low Injection Oil Level Pilot Lamp
11. Tachometer(s)
12. Speedometer
13. Bilge Drain Plug(s)
14. Grab Handles
15. Rear Grab Handles
16. Swim Platform
17. Seats
18. Bow Seat
19. Spotter Seat
20. Cup Holders
21. Front Storage Compartment
22. Deck Storage Compartment
23. Rear Storage Compartment
24. Jet Pump Water Intake(s)
25. Tow Hook
26. Bow Light
27. Removable Stern Light
28. Mooring Cleats
29. Deck
30. Fuel Tank Cap
31. Deck Drain Hole
32. Oil Injection Tank Cap
33. Flushing Connectors
34. Ventilation Ducts
35. Bow/Stern Eyelets
36. Jet Pump Nozzle(s)
37. Reverse Gate(s)
38. Scupper Valve
39. Weedless System Lever (if so equipped)
40. Fuel Tank Vent
41. Ski Post (if so equipped)
42. Fuel Tank Valve(s)
43. Cooling System Bleed Outlet(s)
44. Main Battery Cut-Off Switch

## 22) Deck Storage Compartment

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



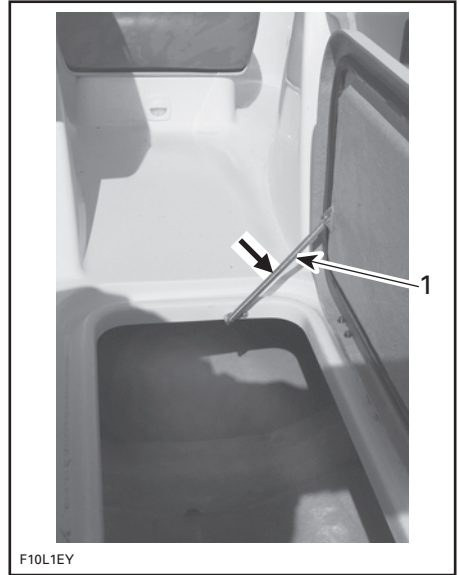
### TYPICAL

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

### WARNING

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

## 23) Rear Storage Compartment

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

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

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

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# FUEL AND LUBRICATION

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

## Fueling Procedure

### WARNING

Follow these safe boating fueling instructions explicitly.

Turn off engine(s).

Tie craft securely to the fueling pier.

Use bilge blower for a minimum of 5 minutes.

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

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

Disembark all people.

Do not smoke or allow open flames in the vicinity.

Have a fire extinguisher close at hand.

Do not insert the spout too far in filler neck.

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

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

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

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

### WARNING

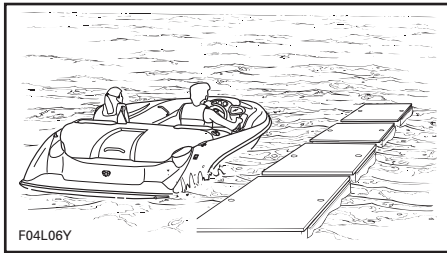
Always stop the engine before refueling. Fuel is flammable and explosive under certain conditions. Always work in a well ventilated area. Do not smoke or allow open flames or sparks in the vicinity. Fuel tank may be pressurized. Slowly turn cap when opening. Keep craft level. Do not overfill or top off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

## Recommended Fuel

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

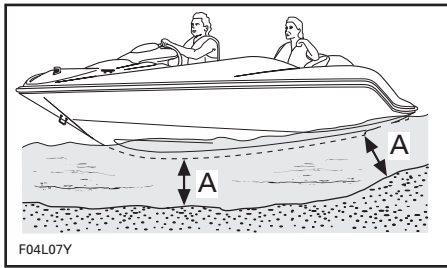
Do not mix oil with fuel except at engine break-in. Refer to BREAK-IN PERIOD section. Always check oil injection reservoir level when refueling.

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



TYPICAL

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



TYPICAL

A. 90 cm (3 ft)

## Boarding from the Water

### WARNING

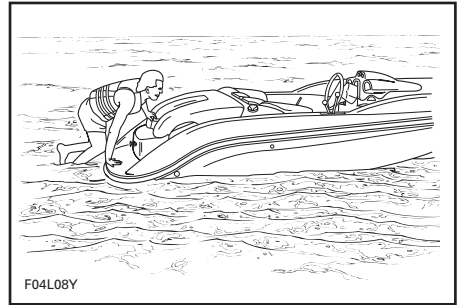
Inexperienced riders should practice how to get aboard close to shore first before venturing into deep water.

### 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.

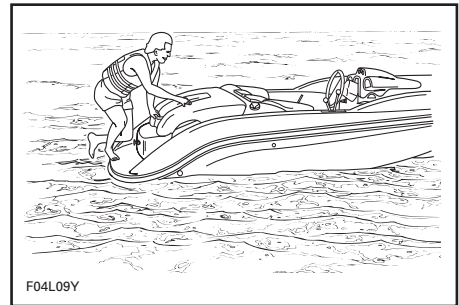
Grip the grab bar and pull yourself upward until your knee can reach the swim platform.



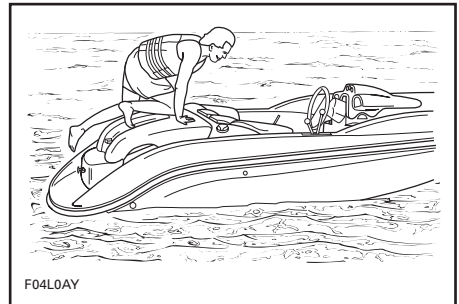
TYPICAL

### WARNING

Engine(s) must not be running while boarding. Never use propulsion components as a supporting point to board the sport boat.



TYPICAL

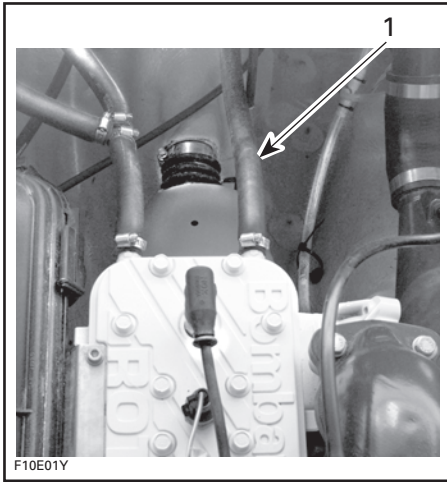


TYPICAL

### WARNING

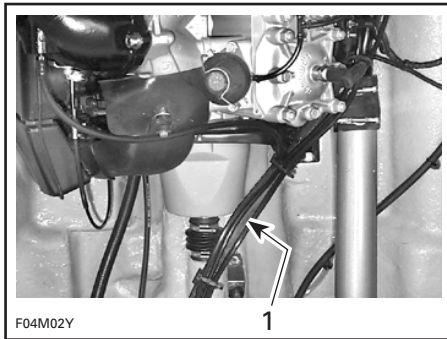
Do not start engines until all passengers are properly seated.

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



**TYPICAL — CHALLENGER**

1. Install hose pincher on this hose



**TYPICAL — SPORTSTER LE**

1. Pinch water supply hose (large one) here

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

**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 dangerous.

# 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.

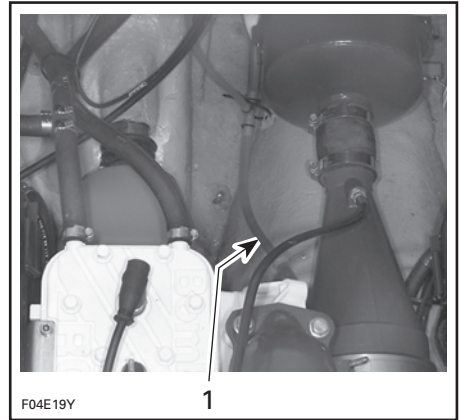
**CAUTION:** Do not run the engine(s) during the storage period.

**NOTE:** Storage procedure applies for both engine systems on Challenger model.

## Engine Draining

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

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



TYPICAL

1. Drain tube must be clean

## Fuel System

SEA-DOO fuel stabilizer or equivalent, should be added to fuel tank to prevent fuel deterioration and carburetor gumming. Follow manufacturer's instructions for proper use.

**CAUTION:** Fuel stabilizer should be added prior to engine lubrication to ensure carburetor protection against varnish deposit.

## WARNING

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

## Cooling System Flushing and Engine Internal Lubrication

Refer to procedure discussed in POST-OPERATION CARE.

# PERIODIC INSPECTION CHART

	DESCRIPTION	FREQUENCY				TO BE PERFORMED BY
		FIRST 10 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS OR PRE-SEASON	
GENERAL	Fire extinguisher condition/mounting ④	✓			✓②	O
	Lubrication/corrosion protection	①		✓	✓	O
ENGINE	Head bolts, retorque	✓			✓	D
	Support and rubber mount condition/tightness	✓		✓		D
	Exhaust system fasteners/hoses ④	✓		✓	✓	D
	RAVE valve cleaning			✓	✓	D
	Counterbalance shaft oil level (if so equipped)			✓	✓	D
	Spark plug inspection, cleaning and adjustment	✓				D
	Spark plug replacement			✓		D
	Ignition timing	✓			✓	D
COOLING SYSTEM	Flushing		✓③			O
	Hose condition and fasteners	✓		✓	✓	D
	Inspect/clean engine drain tube	✓①	✓			D
	Water flow regulator valve inspection				✓	D
FUEL SYSTEM	Carburetor adjustment including choke/throttle cable adjustments				✓	D
	Throttle/choke cables, inspection/lubrication ④	①	✓		✓	D
	Fuel filter and lines inspection ④	✓	✓		✓	D
	Fuel filter replacement				✓	D
	Fuel vent line pressure relief valve inspection		✓		✓	D
	Fuel lines, check-valve and fuel system pressurization ④	✓	✓		✓	D
	Fastener tightening (carburetors/throttle body, fuel lines) ④	✓		✓	✓	D
	Fuel tank straps ④	✓			✓	O
	Fuel tank filling				✓②	O
LUBRICATION SYSTEM	Oil injection pump adjustment	✓			✓	D
	Oil lines inspection ④	✓	✓		✓	D
	Oil filter replacement				✓	D
	Oil reservoir straps ④	✓			✓	O
	Oil reservoir filling				✓②	O



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