

SEA-DOO

2001



WARNING

This watercraft is a high performance craft for competitive use only. It is intended for experienced operators with advanced skills. It is sold without any warranty coverage.



This supplement must be used in conjunction with *2001 Sea-Doo Operator's Guide* (P/N 219 000 136)



BOMBARDIER
RECREATIONAL PRODUCTS

RXX

219 000 137

Operator's Guide
Supplement

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SAFETY WARNING

Disregarding any of the safety precautions and instructions contained in this *Operator's Guide*, the *Safety Handbook*, the *Safety Videocassette* and on 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.

BOMBARDIER
RECREATIONAL PRODUCTS



The following trademarks are the property of Bombardier Inc. or its subsidiaries:

SEA-DOO®

BOMBARDIER-ROTAX®

ROTAX®

BOMBARDIER Formula XP-S DI Synthetic Injection Oil

NOTE

Dear 2001 RXX watercraft owner, information on the *2001 Operator's Guide* (P/N 219 000 136) included herewith also applies to your RXX model except for the following.

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BOMBARDIER LIMITED WARRANTY: SEA-DOO® WATERCRAFT

WARNING

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LOCATION OF THE IMPORTANT LABELS SPECIFIC TO RXX

RXX Model



TYPICAL

INSTRUMENTS SPECIFIC TO THE RXX MODEL

NOTE: These labels replace the ones found in the *2001 Operator's Guide*.

Label 1

WARNING

This watercraft is a high performance craft for competitive use only. It is intended for experienced operators with advanced skills. It is sold without any warranty coverage.

This watercraft is designed for only one operator (XXX lb/XXX kg).

AVERTISSEMENT

Cette motomarine est une embarcation de haute performance pour un usage de compétition seulement par des conducteurs expérimentés avec des compétences avancées. Elle est vendue sans aucune garantie.

Cette motomarine est conçue pour un conducteur seulement (XXX lb/XXX kg).

F16L00Y

Label 7

CAUTION

TO AVOID POSSIBLE ENGINE FLOODING WHEN ROLLED OVER:



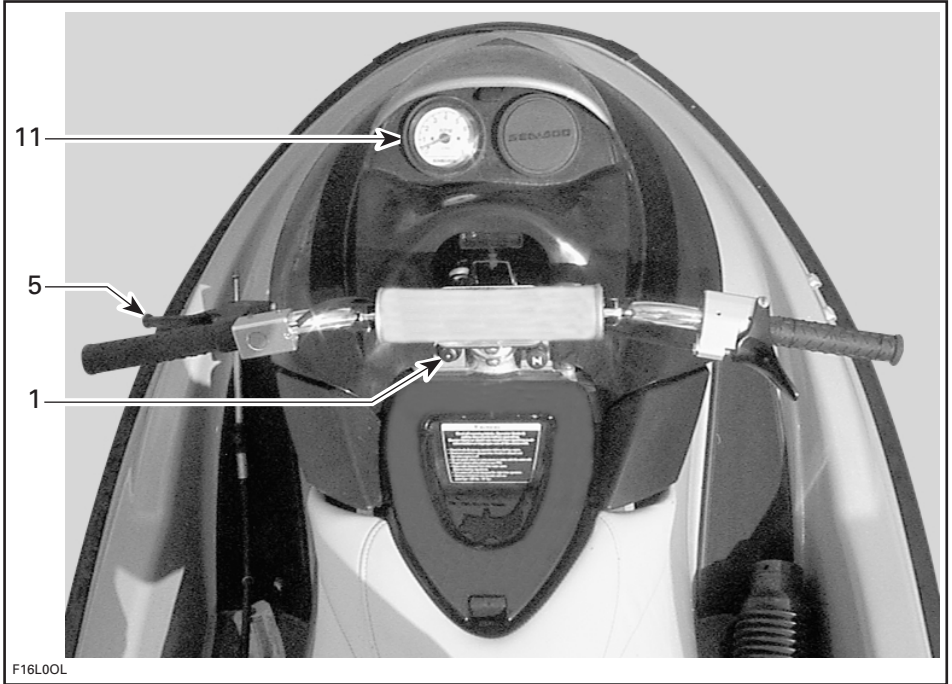
- MAKE SURE ENGINE IS OFF
- GRAB INLET GRATE AND STEP ON BUMPER RAIL
- ROLL BOAT COUNTERCLOCKWISE

F06L0DZ

LOCATION OF CONTROLS, COMPONENTS AND INSTRUMENTS SPECIFIC TO THE RXX MODEL

NOTE: This section is in addition to the other applicable information which is already specified in the *2001 Operator's Guide*.

RXX Model



- 1. Safety Lanyard
- 5. Hydraulic Variable Trim System Lever (VTS)
- 11. Tachometer

NOTE: Some components shown in the *2001 Sea-Doo Operator's Guide* do not apply to this watercraft.

FUNCTIONS OF CONTROLS, COMPONENTS AND INSTRUMENTS SPECIFIC TO RXX MODEL

NOTE: This section is in addition to the other applicable information which is already specified in the *2001 Operator's Guide*.

1) Safety Lanyard (engine cut-off cord)

It is the same operation as explained on the *2001 Operator's Guide*. Only the location differs. Refer to LOCATION CONTROLS, COMPONENTS AND INSTRUMENTS SPECIFIC TO THE RXX MODEL section.

5) Hydraulic Variable Trim System Lever (VTS)

Located on LH side of handlebar, this lever is used to change jet pump nozzle position. Squeeze lever to lower nozzle and thus improving watercraft acceleration. When lever is released, the nozzle automatically returns to its center position.

11) Tachometer

It is the same operation as explained on the *2001 Operator's Guide*. Only the location differs. Refer to LOCATION CONTROLS, COMPONENTS AND INSTRUMENTS SPECIFIC TO THE RXX MODEL.

FUEL AND LUBRICATION

NOTE: This section is in addition to the other applicable information which is already specified in the *2001 Operator's Guide*.

Recommended Fuel

Use **super** unleaded regular gasoline with 91 octane minimum (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 watercraft performance deterioration and damage to critical parts in the fuel system and engine components.

Recommended Oil

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

MODELS	OIL TYPE
RXX	BOMBARDIER Formula XP-S DI synthetic injection oil (or equivalent)

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

PRE-OPERATION CHECKS SPECIFIC TO RXX MODEL

NOTE: This section is in addition to the other applicable information which is already specified in the *2001 Sea-Doo Operator's Guide*.

Hydraulic VTS (Variable Trim System)

Squeeze VTS lever to check nozzle movement. When releasing lever, nozzle should automatically return to its center position.

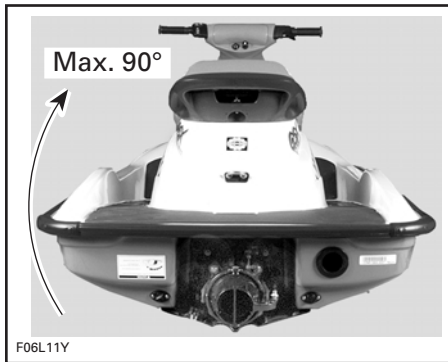
SPECIAL PROCEDURES SPECIFIC TO RXX MODEL

NOTE: This section is in addition to the other applicable information which is already specified in the *2001 Operator's Guide*.

Jet Pump Water Intake and Impeller Cleaning

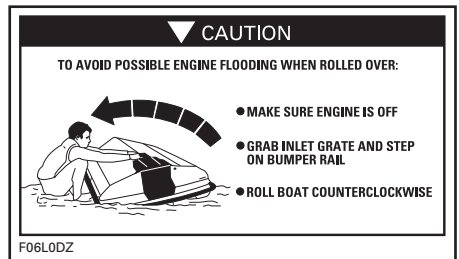
On-Beach Water Cleaning

Rotate the watercraft clockwise (seen from rear) to its right side for cleaning.



Capsized Watercraft

Rotate the watercraft counterclockwise (seen from rear).



MAINTENANCE SPECIFIC TO RXX MODEL

NOTE: This maintenance chart applicable to the RXX model replaces the one included in the *2001 Operator's Guide*.

Periodic Inspection Chart

DESCRIPTION		FREQUENCY				
		EVERY RACE	EVERY 10 HOURS OR MONTH	EVERY 25 HOURS OR 3 MONTHS	EVERY 100 HOURS OR 1 YEAR	TO BE PERFORMED BY
GENERAL	Lubrication/corrosion protection	①		✓		O
ENGINE	Support and rubber mount condition/tightness	✓		✓		D
	Exhaust system fasteners	✓		✓		D
	RAVE valve cleaning			✓	✓	D
	Counterbalance shaft oil level			✓	✓	D
	Spark plug inspection, cleaning and gap adjustment	✓				D
	Spark plug replacement			✓		D
	TDC setting/Ignition timing				✓	D
COOLING SYSTEM	Flushing	✓	✓ ^③			O
	Hose condition and fasteners	✓		✓		D
	Inspect/clean engine drain tubes		✓			O
FUEL SYSTEM	Carburetor adjustment including choke/throttle cable adjustments		✓		✓	D
	Throttle/choke cables, inspection/lubrication	✓ ^①	✓			O
	Fuel filter and lines inspection	✓	✓			D
	Fuel filter replacement				✓	D
	Fuel vent line pressure relief valve inspection		✓			D
	Fuel lines, check-valve and fuel system pressurization		✓			D
	Visual inspection: carburetors, fuel lines	✓		✓		D
	Flame arrester condition/tightness	✓			✓	D
	Fuel tank straps visual inspection	✓			✓	O
LUBRICATION SYSTEM	Oil injection pump adjustment			✓	✓	D
	Oil filter and lines inspection	✓	✓			D
	Oil filter replacement				✓	D
	Oil reservoir straps	✓				O

DESCRIPTION		FREQUENCY				
		EVERY RACE	EVERY 10 HOURS OR MONTH	EVERY 25 HOURS OR 3 MONTHS	EVERY 100 HOURS OR 1 YEAR	TO BE PERFORMED BY
ELECTRICAL SYSTEM	Electrical connections condition and fastening (ignition system, electrical box(es), starting system, etc.)	✓		✓		D
	MPEM mounting brackets/fasteners			✓		D
	Digitally Encoded Security System	✓			✓	D
	Monitoring beeper	✓		✓		D
	Battery condition and straps	✓		✓		D
STEERING SYSTEM	Inspection	✓				D
	Cable adjustment		✓			D
PROPULSION SYSTEM	Drive shaft boot and spline condition			✓ ^②		D
	PTO flywheel lubrication	✓	✓			O
	Hydraulic VTS (Variable Trim System)	✓		✓		D
	Jet pump reservoir oil level/oil condition		Replace		Replace	D
	Impeller condition and impeller/wear ring clearance			✓ ^②		D
	Water intake grate condition			✓ ^②		O
HULL AND BODY	Electric bilge pump operation	✓				O
	Hull condition	✓			✓	O

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

D: Dealer or experienced mechanic.

O: Operator

① Every 10 hours in salt water use.

② These items have to be initially checked after 10 hours. Thereafter, servicing to be made as specified in this chart.

③ Daily flushing in salt water or foul water use.

SPECIFICATIONS

ENGINE		RXX (5589)
Engine type		Rotax® 947, 2-stroke
Induction type		Reed valve
Exhaust system		Water cooled/water injected
Exhaust valve		Rotax Adjustable Variable Exhaust (RAVE)
Lubrication	Type	Oil injection
	Oil type	BOMBARDIER Formula XP-S DI synthetic injection oil (or equivalent)
Number of cylinders		2
Displacement		951.2 cm ³ (58 in ³)
COOLING		
Type		Open circuit. Direct flow from propulsion unit
ELECTRICAL		
Magneto generator output		180 W @ 6000 RPM
Ignition system type		Digital CDI
Spark plug	Make and type	NGK, BR8ES
	Gap	0.45 mm (.018 in)
Starting system		Electric starter with reduction gear
Battery		12 V, 19 A•h
Fuse	Battery	N.A.
	Main	15 A
	MPEM	5 A
	Charging system (REG)	15 A
	Electric bilge pump	3 A
CARBURETION		
Fuel type		Unleaded regular gasoline with 91 octane minimum (R+M)/2
Carburetor		BN 46i (diaphragm). Fuel accelerator pump. Quantity: 2

PROPULSION	RXX (5589)
Propulsion system	Skat-Trak pump
Jet pump type	Axial flow, single stage
Transmission	Direct drive
Reverse system	No
Minimum required water level for jet pump	90 cm (3 ft)
DIMENSIONS	
Number of passengers ①	1
Overall length	285 cm (112 in)
Overall width	120 cm (47 in)
Overall height	104 cm (41 in)
Weight	277 kg (610 lb)
Load limit (passengers + luggage)	181 kg (350 lb)
CAPACITIES	
Fuel tank	56.5 L (15 U.S. gal)
Oil injection tank	6 L (1.6 U.S. gal)

① Refer to load limit.

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.

AFTER-MARKET PARTS SUPPLIERS

Beach House

Sponsons

P.O. Box 79
Oneco, FL 34264
Tel: 941-727-4488
Fax: 941-727-4499

Factory Pipe

Twin pipes

150 Parducci road
Ukiah, CA 95482
Tel: 707-463-1322
Fax: 707-463-1384

Jettrim

Seat cover

Black carpet

Spray deflector

1600 W. Acoma # 12
Lake Havasu, AZ 86403
Tel: 520-855-1919
Fax: 520-855-3160

R & D Racing products USA inc.

Hydraulic Trim system

Flame arrestors

10504 Norwalk Boulevard
Santa Fe Springs, CA 90670
Tel: 562-906-1190
Fax: 562-941-5563

Rimoldi Construzioni

Double reed valve

via Monsignor Colombo, 34-21053
Castellanza (VA)
Italy
Tel: 011-39-0331-480-868
Fax: 011-39-0331-480-553

Skat-Trak

Pump (include impellor & ventury)

Nozzle

Drive shaft

654 Avenue K, P.O. box 518
Calimesa, Ca 92320
Tel: 800-969-7528
Fax: 909-795-6351

U.M.I Racing USA

Steering systems

Handle grips

7442 E. Butherus Drive
Scottsdale, AZ 85260
Tel: 480-951-9029
Fax: 480-951-3469

For information on any after-market parts, please refer to the following coordinates in order to directly contact the respective after-market part supplier.