



SEA-DOO®



Operator's Guide

Includes
Safety, Vehicle and
Maintenance Information

2005 GTI^{MC}
SERIES



WARNING

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

2 1 9 0 0 0 3 6 7

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GETTING UNDERWAY

To Wear

The operator and passenger(s) must wear a Coast Guard approved Personal Flotation Device (PFD) that is suitable for PWC use.

An operator and the watercraft's passenger(s) should have ready access to shatterproof glasses should riding conditions or personal preference warrant. Wind, water spray and speed may cause a person's eyes to water and create blurred vision.

The operator and passenger(s) of PWCs must wear protective clothing, including:

- a wet suit bottom or thick, tightly woven, snug fitting clothing that provides equivalent protection. Thin bike shorts for example would not be appropriate. Severe internal injuries can occur if water is forced into body cavities as a result of falling into water or being near jet thrust nozzle. Normal swimwear does not adequately protect against forceful water entry into the lower body opening(s) of males or females.
- footwear, gloves and goggles/glasses are also recommended. Some type of lightweight, flexible foot protection is recommended. This will help reduce possible injury, should you step on sharp underwater objects.

LOCATION OF THE IMPORTANT LABELS

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

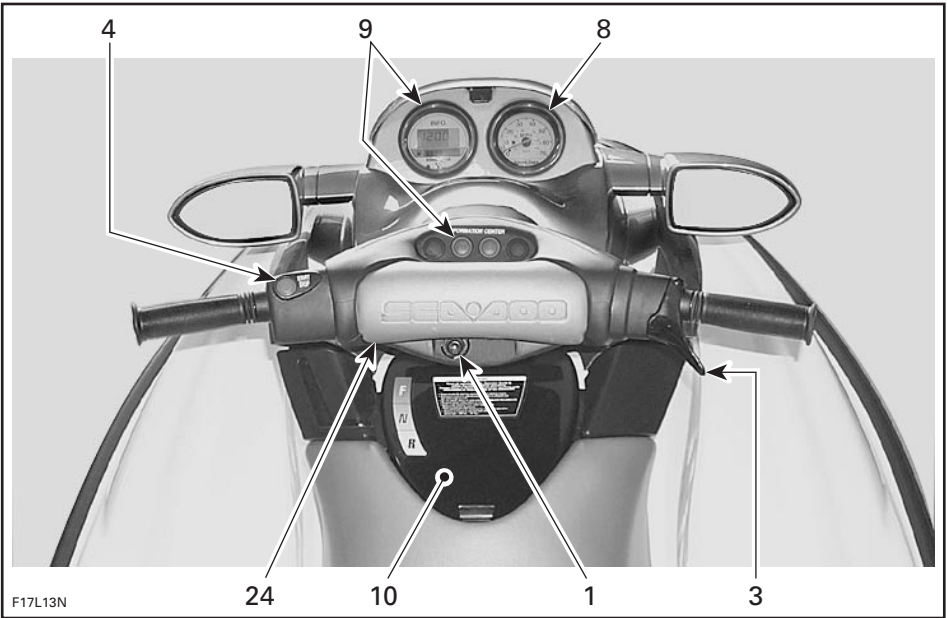
Please read the following labels carefully before operating this watercraft.



F17L070

TYPICAL

GTI LE RFI Models



1. Safety Lanyard
2. Handlebar
3. Throttle Lever
4. Engine Start/Stop Button
5. Choke Lever
6. Shift Lever
7. Fuel Gauge/Low Oil Warning Light
8. Speedometer
9. Information Center Gauge/Buttons
10. Glove Box
11. Fuel Tank Valve
12. Fuel Tank Cap
13. Oil Injection Reservoir Cap
14. Front Storage Compartment Cover
15. Front Storage Compartment Cover Latch
16. Tool Kit
17. Air Intake Opening
18. Seat Strap
19. Seat Latch
20. Seat Extension Latch
21. Rear Grab Handle
22. Rear Storage Basket
23. Bow and Stern Eyelets
24. Mooring Cleats
25. Footboard
26. Boarding Pads
27. Boarding Platform
28. Boarding Step
29. Cooling System Bleed Outlet
30. Flushing Connector
31. Bilge Drain Plugs
32. Jet Pump Nozzle
33. Reverse Gate
34. Jet Pump Water Intake
35. Fuses
36. Battery
37. Side Vanes

22) Rear Storage Basket

A convenient watertight, removable basket to carry personal articles.

The rear storage basket includes a latch to hold an approved fire extinguisher (sold separately).

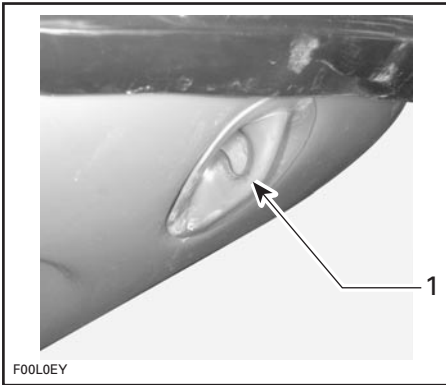


TYPICAL

23) Bow and Stern Eyelets

Bow Eyelet

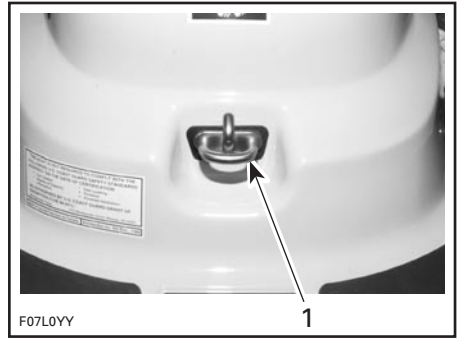
Eyelets can be used for mooring, towing and as a tie-down point during trailering.



1. Bow eyelet

Stern Eyelet

This eyelet allows a rope with a hook, a closed end or an open end to be attached.

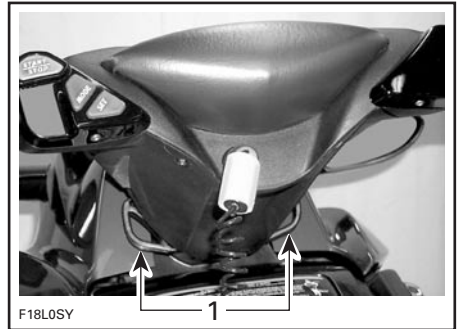


1. Stern eyelet

24) Mooring Cleats

These cleats can be temporarily used for docking, while refueling for example.

CAUTION: Never use mooring cleats to pull or lift the watercraft.



1. Mooring cleats

25) Footboard

User's feet should rest on the footboard when riding.

26) Boarding Pads

Provide a cushioned surface for the knees when boarding from rear of watercraft.

27) Boarding Platform

Provides a large surface for easier boarding from rear of watercraft.

WARNING

Do not use any electrical heating device to heat the cooling system. Electrical devices may generate sparks that would ignite fuel vapors that might be present in the bilge causing a fire or an explosion.

- Ensure to drain bilge if water is present.

Battery

WARNING

Verify tightness of battery cables to their posts and condition of battery retaining strap(s)/fasteners. Do not charge or boost battery while installed.

Fuel Tank and Oil Reservoir

With the watercraft horizontal, fill the fuel tank to specified level.

Check the oil level and refill reservoir as necessary.

Check fuel tank and oil reservoir retaining straps/fasteners.

Engine Compartment

WARNING

Should any leak or gasoline odor be present, do not start the engine. Refer to an authorized Sea-Doo dealer before use.

Steering System

Assisted by another person, check steering operation for free movement. When the handlebar is horizontal, the jet pump nozzle should be in the straight ahead position. The rear edge of side vanes should be pointing outside of watercraft by approximately 20°. Ensure the jet pump nozzle and side vanes pivot easily and in the same direction as the handlebar.

WARNING

Check handlebar and corresponding steering nozzle operation before starting. Never turn handlebar while someone is nearby rear of watercraft. Keep away from steering moving parts (nozzle, side vanes, linkage etc.).

Throttle System

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

WARNING

Check throttle lever operation before starting the engine.

Carburetor-Equipped Models

CAUTION: Engine can be flooded if throttle lever is applied several times when engine is not running. If engine is flooded, it will not start.

Shifter System

Check reverse gate operation for free movement. With shift lever in forward position, the gate should be in upward position and offering a resistance to go downward. With the shift lever in neutral position, gate should be in middle position. With shift lever in reverse position, gate should be in downward position.

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POST-OPERATION CARE

WARNING

Allow engine to cool before performing any maintenance.

General Care

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

Should any water be present in the hull, unscrew the drain plugs and tilt the watercraft to the rear in order to allow water to flow out.

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

Additional Care for Foul Water or Salt Water

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

CAUTION: Failure to perform proper care such as: watercraft rinsing, cooling system flushing and anti-corrosion treatment, when watercraft is used in salt water, will result in damage to the watercraft and its components. Never leave the watercraft stored in direct sunlight.

Cooling System Flushing and Engine Internal Lubrication

General

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

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

WARNING

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 LUBE lubricant or equivalent.

Connect a garden hose to connector located at the rear of watercraft on jet pump support.

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

General

- 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 watercraft and equipment in top condition at all times. Adhere to the prescribed maintenance schedules. An annual inspection of the watercraft is always a good recommendation that should be followed.
- Always use spark plug cable grounding device when removing spark plugs.
- The bilge should be kept clean of oil, water or other foreign materials.
- Do not attempt to lift the watercraft 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 which they were designed. Maintenance procedures and specified tightening torque should be strictly adhered to. Never attempt repairs unless the appropriate tools are available. These watercrafts are designed with parts dimensioned in both the metric and the imperial systems. When replacing fasteners, make sure to use only those recommended by BRP. If required, contact your authorized Sea-Doo dealer for further servicing information.

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

 **WARNING**

Periodically verify the seat lock pin and tighten if needed. Make sure seat securely latches.

Cleaning

The bilge should be cleaned by an authorized Sea-Doo dealer to remove any fuel/oil/electrolyte deposits and mildew.

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

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

To clean the carpets, use 3M™ Citrus Base Cleaner (24 oz spay can) or the equivalent.

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

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

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 cases, consult an authorized Sea-Doo dealer for servicing.

Monitoring Beeper Coded Signals

CODED SIGNALS	POSSIBLE CAUSE	REMEDY
2 short beeps (while installing safety lanyard on post).	Confirms safety lanyard signal operation.	Engine can be started.
1 long beep (while installing safety lanyard on watercraft post).	Bad DESS system connection.	Reinstall safety lanyard cap correctly over post.
	Wrong safety lanyard.	Use a safety lanyard that has been programmed for the watercraft.
	Defective safety lanyard.	Use another programmed safety lanyard.
	Dried salt water in safety lanyard cap.	Clean safety lanyard cap to remove salt water.
	Defective DESS post.	Refer to an authorized Sea-Doo dealer.
Improper operation of ECM or defective wiring harness.		
A 2 seconds beep every 5 minutes intervals.	Fuel tank level is low or open circuit.	Refill. If problem persists, refer to an authorized Sea-Doo dealer.
A 2 seconds beep every 15 minutes intervals.	Water temperature sensor or circuit malfunction.	Refer to an authorized Sea-Doo dealer.
	Starter solenoid circuit malfunction.	Refer to an authorized Sea-Doo dealer.
4 short beeps every 3 seconds interval for 4 hours.	Safety lanyard has been left on its post without starting engine or after engine was stopped.	To prevent battery discharge, remove the safety lanyard from its post.
Continuously beeps.	Engine overheats.	See engine OVERHEATING.

ABBREVIATIONS USED IN THIS MANUAL

ABBREVIATION	DESCRIPTION
AC	Alternate current
API	American petroleum institute
CARB	California air resource board
DC	Direct current
DESS	Digitally encoded security system
ECM	Engine control module
ECU	Electronic control unit
EMS	Engine management system
E.I.N.	Engine identification number
EPA	Environmental protection agency
HP	Horse power
LCD	Liquid Crystal Display
LED	Light-emitting diode
MAG	Magneto
MPEM	Multi-purpose electronic module
MPH	Mile per hour
N.A.	Not applicable
O.P.A.S.	Off-power assisted steering
OPT	Optional
PFD	Personal flotation device
P/N	Part number
PTO	Power take off
STD	Standard
TBD	To be determined
TDC	Top dead center
TOPS	Tip-over protection system

Emission warranty parts that are scheduled for replacement, as required maintenance, are warranted by BRP for the period of time before the first scheduled replacement date for that part. Emission warranty parts that are scheduled for regular inspection, but not regular replacement, are warranted by BRP for the entire warranty period of the personal watercraft. Any emission warranty part repaired or replaced under the terms of this warranty statement is warranted by BRP for the remainder of the warranty period of the original part. All parts replaced under this limited warranty become the property of BRP.

Maintenance receipts and records should be transferred to each subsequent owner of the personal watercraft.

Owner's Warranty Responsibilities

As the personal watercraft owner, you are responsible for the performance of the required maintenance listed in your Operator's Guide. BRP recommends that you retain all receipts covering maintenance on your personal watercraft engine, but BRP cannot deny warranty solely for the lack of receipts or your failure to ensure the performance of all scheduled maintenance.

As the personal watercraft owner, you should however be aware that BRP may deny you warranty coverage if your personal watercraft engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your personal watercraft engine to an authorized BRP dealer as soon as a problem exists. The warranty repairs will be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities or for the name and location of the nearest authorized BRP dealer you should contact the Customer Services Group at 1-715-848-4957.

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