YAMAHA

2021 WaveRunner
VX-C/VX/VX DELUXE
VX CRUISER
VX LIMITED

OWNER'S/OPERATOR'S MANUAL

U.S.A. Edition

YAMAHA MOTOR CORPORATION, U.S.A.
LIT-18626-12-93
F4N-F8199-10

⚠ **Read this manual carefully before operating this watercraft.**

WARNING: Operating, servicing and maintaining a recreational marine vessel can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, service your vessel in a well-ventilated area and wear gloves or wash your hands frequently when servicing this vessel. For more information go to www.P65warnings.ca.gov/marine

Read this manual carefully before operating this watercraft. This manual should stay with the WaveRunner if it is sold.

EJU30183

To the owner/operator

Thank you for choosing a Yamaha watercraft. This owner's/operator's manual contains information you will need for proper operation, maintenance, and care. A thorough understanding of these simple instructions will help you to obtain maximum enjoyment from your new Yamaha. If you have any questions about the operation or maintenance of your watercraft, please consult a Yamaha dealer.

In this manual, information of particular importance is distinguished in the following ways:

⚠ This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

EWJ00072

⚠ WARNING

A WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

ECJ00092

NOTICE

A NOTICE indicates special precautions that must be taken to avoid damage to the watercraft or other property.

TIP:

A TIP provides key information to make procedures easier or clearer.

EJU45461

Engine data recording

This model's ECM stores certain engine data to assist in the diagnosis of malfunctions and for research, statistical analysis and development purposes.

Although the sensors and recorded data will vary by model, the main data points are:

- Engine status and engine performance data

This data will be uploaded only when a special Yamaha diagnostic tool is attached to the engine, such as when maintenance checks or service procedures are performed.

Yamaha will not disclose this data to a third party except in the following cases. In addition, Yamaha may provide engine data to a contractor in order to outsource services related to the handling of the engine data. Even in this case, Yamaha will require the contractor to properly handle the engine data we provided and Yamaha will appropriately manage the data.

- With the consent of the boat owner
- Where obligated by law
- For use by Yamaha in litigation
- For general Yamaha-conducted research purposes when the data is not related to an individual engine or owner

Important manual information

EJU40401

Because Yamaha has a policy of continuing product improvement, this product may not be exactly as described in this owner's/operator's manual. Specifications are subject to change without notice.
This manual should be considered a permanent part of this watercraft and should remain with it even if the watercraft is subsequently sold.

EJU30224

WaveRunner VX-C / VX / VX DELUXE / VX CRUISER / VX LIMITED
OWNER'S/OPERATOR'S MANUAL
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General and important labels

EJU30263

Identification numbers

Record the Primary Identification (PRI-ID) number, Hull Identification Number (HIN), and engine serial number in the spaces provided for assistance when ordering genuine parts from a Yamaha dealer. Also record and keep these ID numbers in a separate place in case your watercraft is stolen.

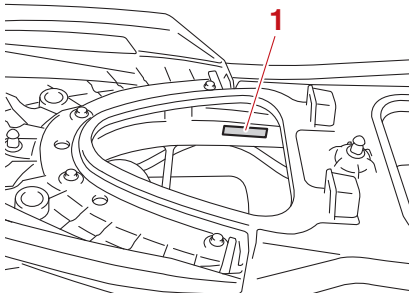
EJU30284

Primary Identification (PRI-ID) number

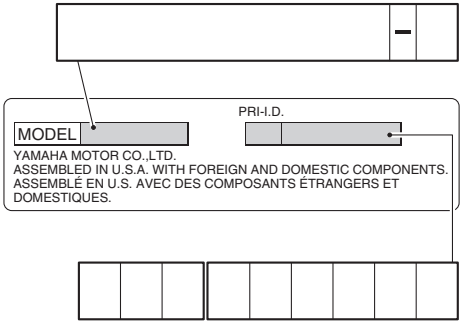
The PRI-ID number is stamped on a plate attached inside the engine compartment. (See page 60 for seat removal and installation procedures and page 65 for information on the seat storage compartment.)

MODEL:

VX1050G-W (VX-C)
VX1050F-W (VX)
VX1050E-W (VX DELUXE)
VX1050D-W (VX DELUXE)
VX1050C-W (VX CRUISER)
VX1050B-W (VX CRUISER)
VX1050A-W (VX LIMITED)



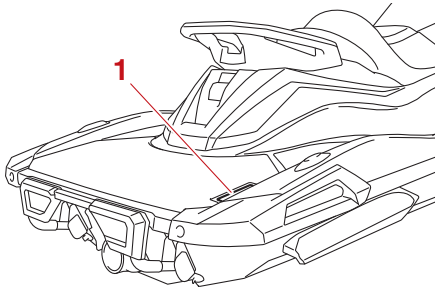
1 Primary Identification (PRI-ID) number location



EJU30301

Hull Identification Number (HIN)

The HIN is stamped on a plate attached to the aft deck.



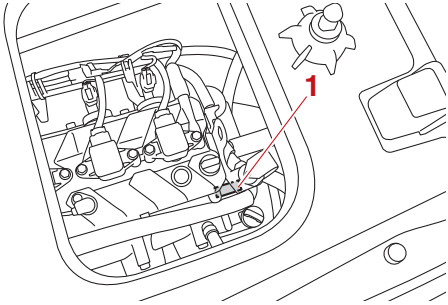
1 Hull Identification Number (HIN) location



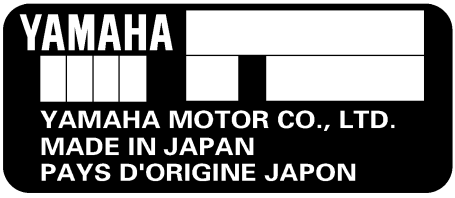
EJU30312

Engine serial number

The engine serial number is stamped on a plate attached to the engine unit. (See page 60 for seat removal and installation procedures.)



1 Engine serial number location



EJU30353

Emission control information

This engine conforms to U.S. Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB) regulations for marine SI engines applicable at the time of manufacture.

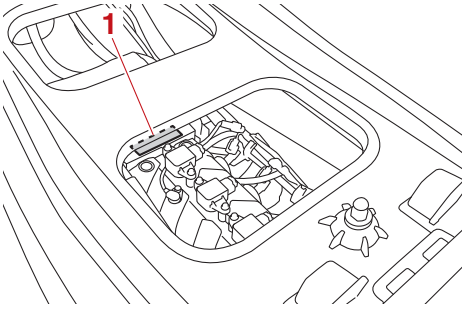
This engine is certified to operate on regular unleaded gasoline.

General and important labels

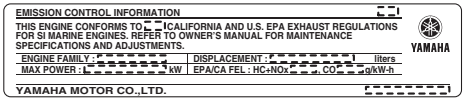
EJU46410

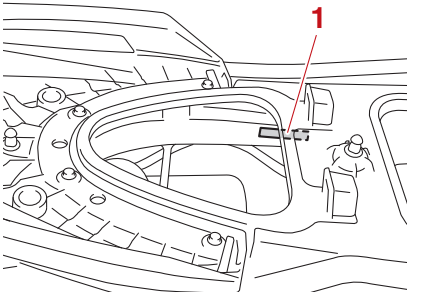
Approval label of emission control certificate

This label is attached to the top of the cylinder head and to the inside of the engine compartment. (See page 60 for seat removal and installation procedures and page 65 for information on the seat storage compartment.)

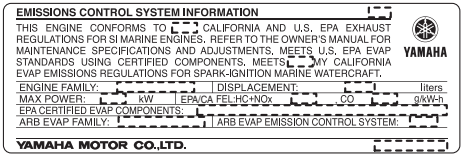


1 Emission control information label location





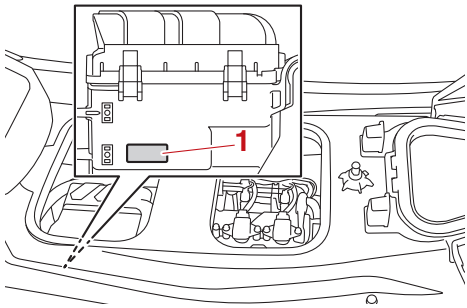
1 Emission control information label location



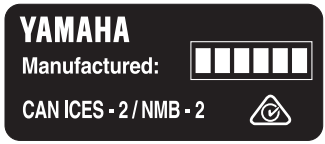
EJU44100

Manufactured date label

This label is attached to the port side of the air filter case. (See page 60 for seat removal and installation procedures.)



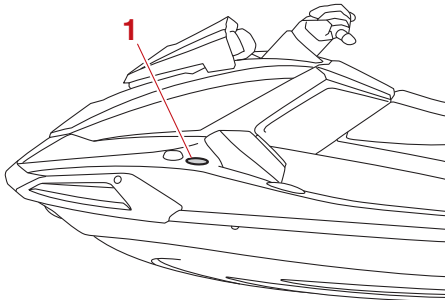
1 Manufactured date label location



EJU30441

Star labels

This watercraft is labeled with a California Air Resources Board (CARB) star label. See below for a description of your particular label.



1 Star label location

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



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



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



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

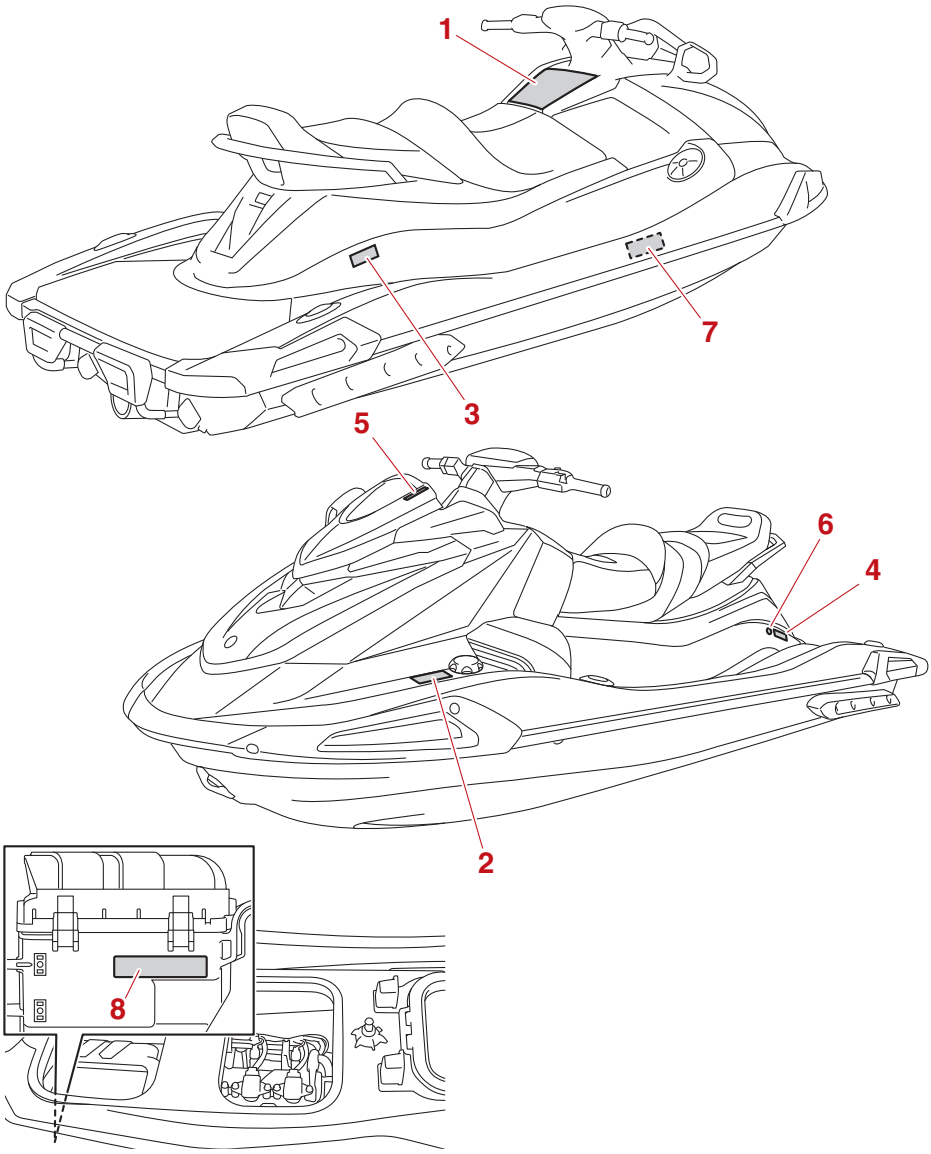


General and important labels

EJU30454

Important labels

Read the following labels before using this watercraft. If you have any questions, consult a Yamaha dealer.

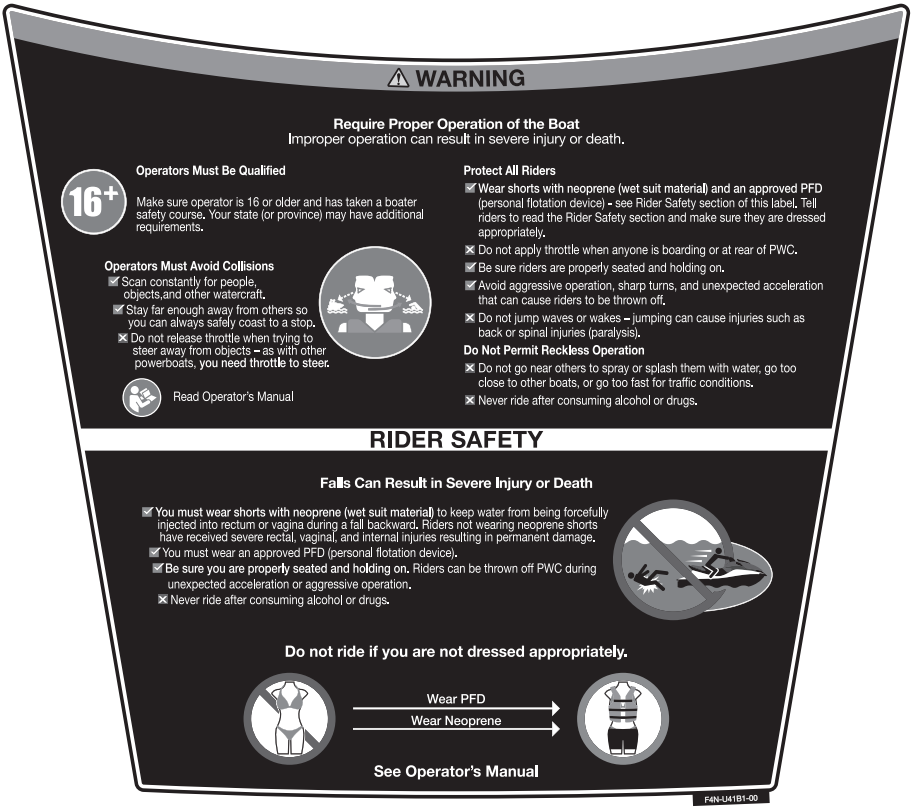


EJU35914

Warning labels

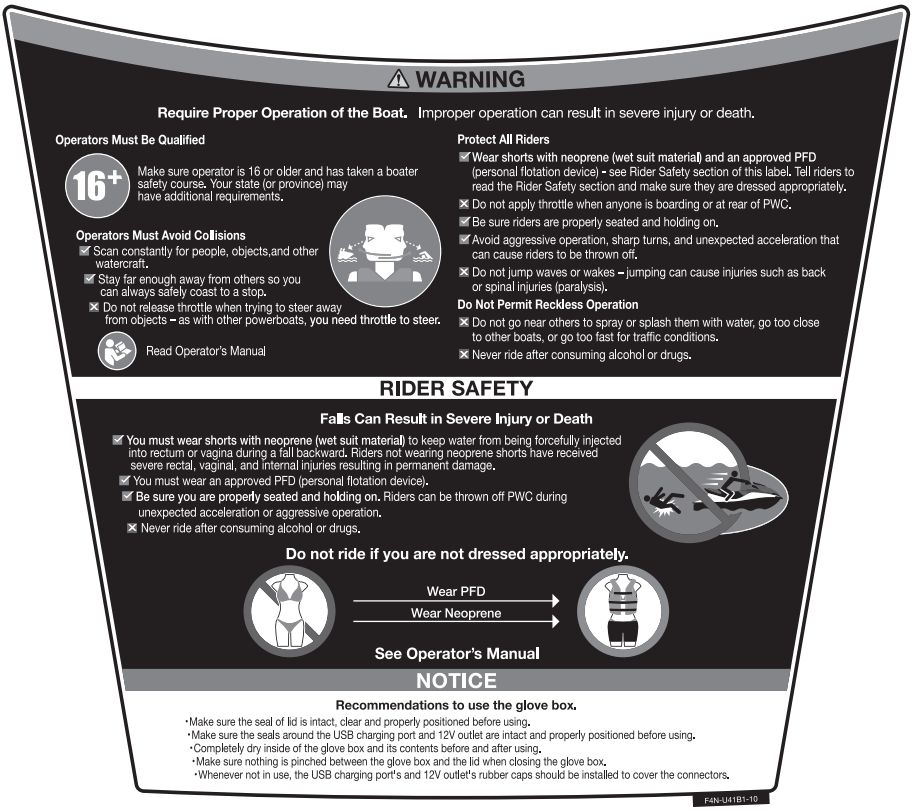
If any of these labels are damaged or missing, contact a Yamaha dealer for replacements.

1 VX-C/VX

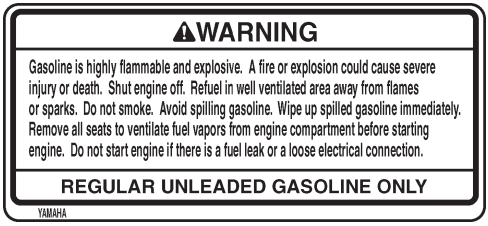


General and important labels

1 VX DELUXE/VX CRUISER/VX LIMITED

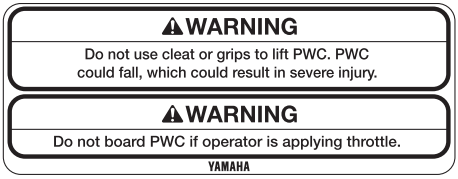


2



F1B-U415B-02
F1S-U415B-01

3



F3V-U416A-00
F3V-U416A-20

General and important labels

EJU44221
Other labels

4



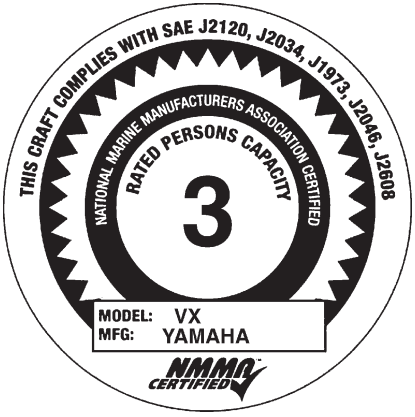
F0P-U41G1-01
F1S-U41G1-01

5



F0V-U41F5-01
F1B-U41F5-01

6



7

THIS BOAT IS MANUFACTURED YAMAHA MOTOR CORPORATION, U.S.A. (6555 KATELLA AVENUE, CYPRESS, CALIFORNIA). PER 46 U.S.C. 4305 AND U.S. COAST GUARD GRANT OF EXEMPTION (CGB 86-039), THE COAST GUARD EXEMPTS THIS VESSEL FROM ONE OR MORE SAFETY REGULATIONS. CGB 86-039 STATES THAT CERTAIN REGULATIONS ARE INAPPLICABLE IN LIGHT OF THIS VESSEL'S CHARACTERISTICS AND THAT THE EXEMPTION WILL NOT HAVE AN ADVERSE EFFECT ON RECREATIONAL BOATING SAFETY. THIS BOAT COMPLIES WITH U.S. COAST GUARD SAFETY STANDARDS IN EFFECT ON THE DATE OF CERTIFICATION. ALL PERSONS SHOULD WEAR A LIFEJACKET (PERSONAL FLOTATION DEVICE) WHILE OPERATING OR RIDING THIS WATERCRAFT.

F3Y-U418E-40
F3Y-U418E-50

8

All applicable electrical system components installed as original equipment meet appropriate U.S.C.G. requirements for ignition protection.(Ref.33 CFR 183.410 and 183.440)

YAMAHA 60E-83627-00

EJU30675

The safe use and operation of this watercraft is dependent upon the use of proper riding techniques, as well as upon the common sense, good judgment, and expertise of the operator. Every operator should know the following requirements before riding the watercraft.

- Before operating the watercraft, read this owner's/operator's manual, the Riding Practice Guide, the Riding Instruction card, and all labels on the watercraft. Also, watch the WaveRunner Basic Orientation Video linked to the following QR code.

https://yamahawaverunners.com/orientation
A DVD is also available at your nearest dealer for your convenience.
These materials should give you an understanding of the watercraft and its operation.

- Never allow anyone to operate this watercraft until they too have read this owner's/operator's manual, the Riding Practice Guide, the Riding Instruction card, and all labels, and, if possible, watched the WaveRunner Basic Orientation Video.
  Showing them the video may help reinforce the information contained in these materials.

EJU30733

Limitations on who may operate the watercraft

- Make sure that the operator is 16 years of age or older and has taken a boater safety course.
  Adults must supervise use by minors.
  Your state (or province) may have additional requirements. You can find local rules by contacting the United States Coast Guard (USCG), the National Association of State Boating Law Administrators, or your local Power Squadron.
- This watercraft is designed to carry the operator and up to 2 passengers. Never exceed the maximum load limit or allow more than 3 persons (or 2 persons if a wakeboarder or water-skier is being pulled) to ride the watercraft at any time.



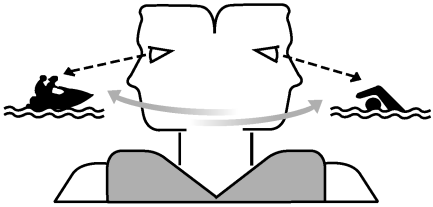
Maximum load:
240 kg (530 lb)
Load is the total weight of cargo, operator, and passengers.

- Do not operate the watercraft with any passengers on board until you have considerable practice and experience riding alone. Operating the watercraft with passengers requires more skill. Take the time to become accustomed to the handling characteristics of the watercraft before trying any difficult maneuvers.

EJU44481

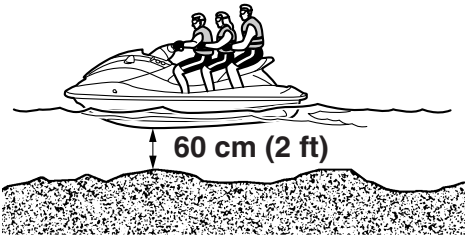
Cruising limitations

- Scan constantly for people, objects, and other watercraft. Be alert for conditions that limit your visibility or block your vision of others.

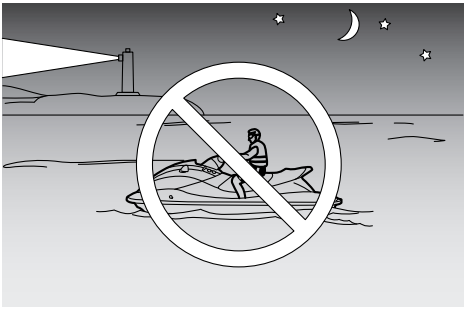


- Operate defensively at safe speeds and keep a safe distance away from people, objects, and other watercraft.
- Do not follow directly behind watercraft or other boats.
- Do not go near others to spray or splash them with water, go too close to other boats, or go too fast for the traffic conditions.
- VX-C: Take early action to avoid collisions. Remember, watercraft and other boats do not have brakes.
- VX-C: Avoid sharp turns or other maneuvers that make it hard for others to avoid you or understand where you are going.
- VX / VX DELUXE / VX CRUISER / VX LIMITED: Take early action to avoid collisions. Remember, watercraft and other boats do not have brakes. In addition, the Reverse with Intuitive Deceleration Electronics (RiDE) system is not a braking device for avoiding dangerous situations. The RiDE system is an electronic system for controlling the engine speed and reverse gate, which is located near the jet thrust nozzle. The RiDE lever located at the left handlebar grip can be used to change the direction of the jet thrust so that the watercraft moves in reverse or is in neutral. The RiDE system assists the operator when slowing down and during slow-speed maneuvering, such as launching, beaching, and docking.
- VX / VX DELUXE / VX CRUISER / VX LIMITED: Avoid sharp turns, slowing down rapidly by squeezing the RiDE lever forcefully, and other maneuvers that make it hard for others to avoid you or understand where you are going.
- Avoid areas with submerged objects or shallow water.
- Do not release the throttle lever when trying to steer away from objects—as with other powerboats, you need throttle to steer. Always check throttle and steering controls before starting the watercraft.
- Ride within your limits and avoid aggressive maneuvers to reduce the risk of loss of control, ejection, and collision.
- This is a high performance boat—not a toy. Avoid aggressive operation, sharp turns, and unexpected acceleration that can cause you to be thrown off. Do not jump waves or wakes—jumping can cause injuries such as back or spinal injuries (paralysis), facial injuries, and broken legs, ankles, and other bones. Improper operation can result in severe injury or death.
- Do not operate the watercraft in rough water, bad weather, or when visibility is poor; this may lead to an accident causing injury or death. Be alert to the possibility of adverse weather. Take note of weather forecasts and the prevailing weather conditions before setting out on your watercraft.

- As with any water sport, you should not operate your watercraft without someone else nearby. If you operate further than swimming distance from shore, you should be accompanied by another boat or watercraft, but make sure you stay a safe distance away. It's good, common sense.
- Never operate in water that is less than 60 cm (2 ft) deep from the bottom of the watercraft, otherwise you increase your chance of hitting a submerged object, which could result in injury.



- This watercraft is not equipped with lighting required for night operation. Do not operate the watercraft after sunset or before dawn, otherwise you increase the risk of colliding with another boat, which could result in severe injury or death.

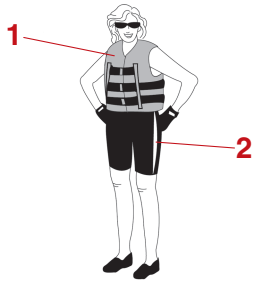


- Follow navigation rules, and state/provincial and local laws that apply to watercraft.

EJU43123

Operation requirements

- All riders must wear a personal flotation device (PFD) that is approved by the appropriate authorities and is suitable for personal watercraft use.
- Wear protective clothing. Severe internal injuries can occur if water is forced into body cavities as a result of falling into the water or being near the jet thrust nozzle. You must wear shorts with neoprene (wetsuit material) to keep water from being forcefully injected into the rectum or vagina during a fall backward. Riders not wearing neoprene shorts have received severe rectal, vaginal, and internal injuries resulting in permanent damage. Normal swimwear does not offer adequate protection.



1 Authority-approved PFD
2 Wetsuit bottom

- Eye protection is recommended to keep wind, water, and glare from the sun out of your eyes while you operate your watercraft. Restraining straps for eyewear are made which are designed to float should your eyewear fall in the water.
  Footwear and gloves are recommended.
- Helmets meeting Snell or DOT standards are required for IJSBA-sanctioned races. You must decide whether to wear a helmet while you ride for recreation. You should know that a helmet could help protect you

in certain kinds of accidents and that it could injure you in others.

A helmet is designed to provide some head protection. Although helmets cannot protect against all foreseeable impacts, a helmet might reduce your injuries in a collision with a boat or other obstacle.

A helmet may have potential safety hazards, as well. Falling into the water could risk the chance of the helmet catching water, commonly known as “bucketing”, and the resulting strain on your neck could cause choking, severe and permanent neck injuries, or death. A helmet could also increase the risk of an accident if it reduces your vision or hearing, or if it distracts you or increases your fatigue.

How should you decide if a helmet’s potential safety benefits outweigh its potential risks for you? Consider your particular riding conditions. Consider factors such as your riding environment and your riding style and ability. Also consider the likelihood of traffic congestion, and the water surface conditions.

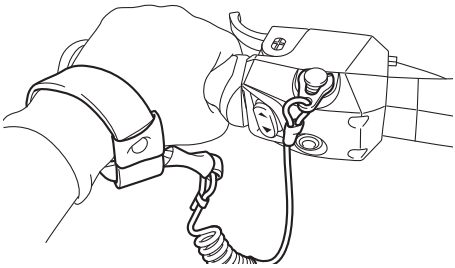
If you decide to wear a helmet based upon your riding circumstances, choose one carefully. Look for a helmet designed for personal watercraft use, if possible. Consider a helmet meeting Snell or DOT standards. If you will be engaging in closed-course competition, follow the helmet requirements of the sanctioning organization.

- Never operate the watercraft after consuming alcohol or taking other drugs.
- For reasons of safety and proper care of the watercraft, always perform the pre-operation checks listed on page 75 before operating the watercraft.
- The operator should grip the handlebars firmly with both hands and the passengers should hold on firmly, either to the person in front of them or to the handgrip provided.
- The operator and passengers should always keep their feet on the floor of the footwell when the watercraft is in motion. Lifting your feet increases the chances of losing your balance, or hitting objects outside the watercraft with your feet. Do not give a ride to children if their feet cannot reach the floor of the footwell.

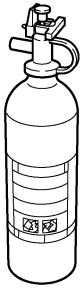


- Never allow a passenger to ride in front of the operator.
- Always consult your doctor on whether it is safe for you to ride this watercraft if you are pregnant or in poor health.
- Do not attempt to modify this watercraft. Modifications to your watercraft may reduce safety and reliability, and render the watercraft unsafe or illegal for use.
- Attach the engine shut-off cord (lanyard) to your left wrist and keep it free from the handlebars so that the engine stops if you, the operator, fall off. After riding, remove the engine shut-off cord (lanyard) from the wa-

tercraft to avoid accidental starting or unauthorized use by children or others.



- Scan carefully for swimmers and stay away from swimming areas. Swimmers are hard to see and you could accidentally hit someone in the water.
- Avoid being hit by another boat. You should always take the responsibility to watch for traffic; other boaters may not be watching for you. If they do not see you, or if you maneuver more quickly than other boaters expect, you risk a collision.
- Maintain a safe distance from other boats and watercraft, and also watch for ski ropes or fishing lines. Obey the “Rules of the Road” and be sure to check behind you before making a turn or slowing down. (See “Rules of the Road” on page 20.)
- According to the USCG, boats under 6.1 m (20 ft) in length like your watercraft must carry a fire extinguisher of a 5-B (B-1) classification, with a capacity of two pounds or more when navigating in waters under USCG jurisdiction. In addition, most state and local boating laws also require that the fire extinguisher be approved by the USCG.



EJU30831

Recommended equipment

The following items should be carried on board your watercraft:

- Sound-signaling device
  You should carry a whistle or other sound-signaling device that can be used to signal other boats. See “Rules of the Road” for more information.
- Visual distress signals
  It is recommended that a U.S. Coast Guard approved pyrotechnic device be stored in a waterproof container on your watercraft. A mirror can also be used as an emergency signal. Contact a Yamaha dealer or the U.S. Coast Guard for more information.
- Watch
  A watch is helpful so you will know how long you have been operating the watercraft.
- Towline
  A towline can be used to tow a disabled watercraft in an emergency.

EJU44610

Hazard information

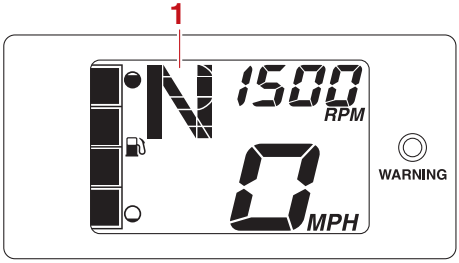
- Never start the engine or let it run for any length of time in an enclosed area. Exhaust fumes contain carbon monoxide, a colorless, odorless gas that may cause loss of consciousness and death within a short time. Always operate the watercraft in an open area.
- Do not touch the hot oil tank, muffler, or engine during or immediately after engine operation; they can cause serious burns.
- Do not place magnets or objects with a strong magnetic force near the throttle lever or RiDE lever (VX / VX DELUXE / VX CRUISER / VX LIMITED). The electronic throttle mechanism of the levers can be adversely affected, which could cause loss of control. In addition, do not place objects susceptible to magnetic forces (i.e., credit cards, watches, etc.) close to the throttle lever or RiDE lever.

EJU44971

Watercraft characteristics

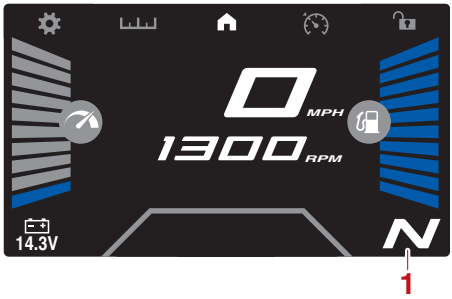
- Jet thrust turns the watercraft. Releasing the throttle lever completely produces only minimum thrust. If you are traveling at speeds above trolling, you will have rapidly decreasing ability to steer without throttle.
  This model is equipped with the Yamaha Engine Management System (YEMS) that includes an off-throttle steering (OTS) system. It will activate at planing speeds should you attempt to steer the watercraft after releasing the throttle lever. The OTS system assists in turning by continuing to supply some thrust while the watercraft is decelerating, but you can turn more sharply if you apply throttle while turning the handlebars.
  The OTS system does not function below planing speeds or when the engine is off. Once the engine slows down, the watercraft will no longer turn in response to handlebar input until you apply throttle again or you reach trolling speed.
  Practice turning in an open area without obstacles until you have a good feel for this maneuver.
- VX-C: This watercraft is water-jet propelled. The jet pump is directly connected to the engine. This means that jet thrust will produce some movement whenever the engine is running. There is no “neutral” position.
- VX / VX DELUXE / VX CRUISER / VX LIMITED: This watercraft is water-jet propelled. The jet pump is directly connected to the engine. This means that jet thrust will produce some movement whenever the engine is running and the “F” (forward) or “R” (reverse) shift indicator is displayed. When the “N” (neutral) shift indicator is displayed, the forward and reverse thrust are balanced to help keep the watercraft from moving in either direction, although some movement may occur.

VX



1 “N” (Neutral position)

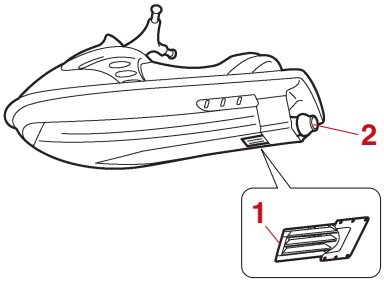
VX DELUXE / VX CRUISER / VX LIMITED



1 “N” (Neutral position)

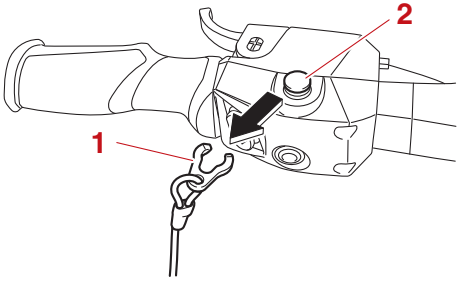
- VX / VX DELUXE / VX CRUISER / VX LIMITED: To avoid rear-end collisions while operating the watercraft, check behind you before using the RiDE lever to slow down or stop the watercraft. Make sure that there are no obstacles or people behind you before shifting into reverse.
- Keep away from the intake grate while the engine is on. Items such as long hair, loose clothing, or PFD straps can become entangled in moving parts, resulting in severe injury or drowning.
- Never insert any object into the jet thrust nozzle while the engine is running. Severe injury or death could result from coming in

contact with the rotating parts of the jet pump.



1 Intake grate
2 Jet thrust nozzle

- Stop the engine and remove the clip from the engine shut-off switch before removing any debris or weeds, which may have collected around the jet intake.



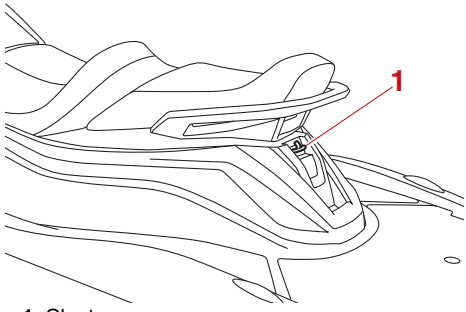
1 Clip
2 Engine shut-off switch

EJU30947

Wakeboarding and water-skiing

You can use the watercraft for wakeboarding or water-skiing if it has the seating capacity to carry the operator, a rearward-facing spotter, and the wakeboarder or water-skier when he or she is not being pulled.

The watercraft must also have a cleat designed to pull a ski rope; do not attach the rope to any other location.



1 Cleat

It is the watercraft operator's responsibility to be alert to the safety of the wakeboarder or water-skier and others. Know and follow all state and local regulations in effect for the waters in which you will be operating.

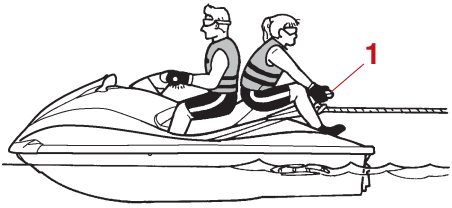
The operator should be comfortable carrying passengers before attempting to pull a wakeboarder or water-skier.

The following are some important considerations for minimizing risks while pulling a wakeboarder or water-skier.

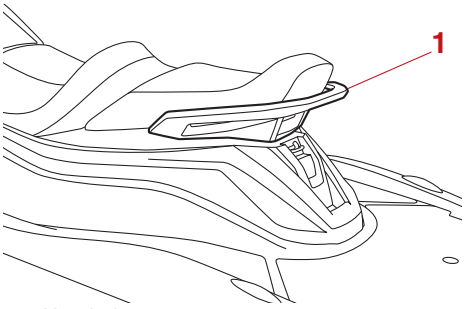
- The wakeboarder or water-skier should wear an approved PFD, preferably a brightly colored one so boat operators can see the person being pulled.
- The wakeboarder or water-skier should wear protective clothing. Severe internal injuries can occur if water is forced into body cavities as a result of falling into the water.

Normal swimwear does not adequately protect against forceful water entry into the rectum or vagina. The person being pulled should wear a wetsuit bottom or clothing that provides equivalent protection.

- A second person should be on board as a spotter to watch the wakeboarder or water-skier; in most states it is required by law. Let the person being pulled direct the operator's control of speed and direction with hand signals.
  The spotter should sit astride the rear of the seat and hold onto the handgrip with both feet firmly on the floor of the footwell for proper balance while facing to the rear to watch the wakeboarder's or water-skier's hand signals and condition.



1 Handgrip



1 Handgrip

- Your control while pulling a wakeboarder or water-skier is affected by the wakeboarder's or water-skier's ability, as well as water and weather conditions.
- When preparing to pull a wakeboarder or water-skier, operate the watercraft at the slowest possible speed until the watercraft is well away from the person being pulled and slack in the ski rope is taken up. Make sure that the rope is not looped around anything.
  After checking that the wakeboarder or water-skier is ready and that there is no traffic or other obstacles, apply enough throttle to raise the person.
- Make smooth, wide turns. The watercraft is capable of very sharp turns, which could exceed the abilities of the wakeboarder or water-skier. Keep the person being towed at least 50 m (164 ft), about twice the distance of a standard ski rope, away from any potential hazard.
- The operators of boats and other watercraft may not be aware that you are pulling a wakeboarder or water-skier. Together with the spotter, pay attention to others around you and cruise at safe speeds.
- Be alert to the hazard of the ski rope handle snapping back at the watercraft when the wakeboarder or water-skier falls or is unable to get up.
- Towing heavy or bulky objects other than wakeboarders or water-skiers, such as another boat or watercraft, can cause loss of steering control and create a hazardous condition. If you must tow another boat in an emergency situation, operate slowly and cautiously.

EJU30962

Rules of the Road

Your Yamaha watercraft is legally considered a powerboat. Operation of the watercraft must be in accordance with the rules and regulations governing the waterway on which it is used.

Just as there are rules that apply when you are driving on streets and highways, there are waterway rules that apply when you are operating your watercraft. These rules are used internationally, and are also enforced by the United States Coast Guard and local agencies. You should be aware of these rules, and follow them whenever you encounter another vessel on the water.

Several sets of rules prevail according to geographic location, but are all basically the same as the International Rules of the Road. The rules presented here in this owner's/operator's manual are condensed, and have been provided for your convenience only. Consult your local U.S. Coast Guard Auxiliary or Department of Motor Vehicles for a complete set of rules governing the waters in which you will be operating your watercraft.

Steering and sailing rules

Whenever two vessels on the water meet one another, one vessel has the right-of-way; it is called the "stand-on" vessel. The vessel that does not have the right-of-way is called the "give-way" or "burdened" vessel. These rules determine which vessel has the right-of-way, and what each vessel should do.

Stand-on vessel

The vessel with the right-of-way has the duty to continue its course and speed, except to avoid an immediate collision. When you maintain your direction and speed, the other vessel will be able to determine how best to avoid you.

Give-way vessel

The vessel which does not have the right-of-way has the duty to take positive and timely action to stay out of the way of the stand-on vessel. Normally, you should not cross in front of the vessel with the right-of-way. You should slow down or change directions briefly and pass behind the other vessel. You should always move in such a way that the operator of the other vessel can see what you are doing.

The General Prudential Rule regarding the right-of-way is that if a collision appears unavoidable, neither boat has the right-of-way. Both boats must avoid the collision.

In other words, follow the standard rules except when a collision will occur unless both vessels try to avoid each other. If that is the case, both vessels become give-way vessels.

Rules when encountering vessels

There are three main situations that you may encounter with other vessels which could lead to a collision unless the Steering Rules are followed:

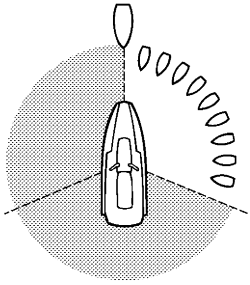
Meeting: you are approaching another vessel head-on

Crossing: you are traveling across another vessel's path

Overtaking: you are passing or being passed by another vessel

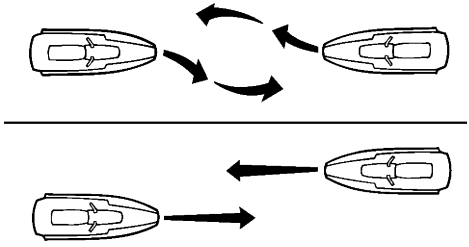
In the following illustration, your watercraft is in the center. You should give the right-of-way to any vessels shown in the white area (you are the give-way vessel). Any vessels in the shaded area must yield to you (they are the give-way vessels). Both you and the

meeting vessel must alter course to avoid each other.



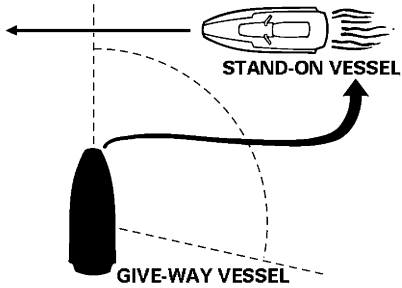
Meeting

If you are meeting another power-driven vessel head on, and are close enough to run the risk of collision, neither of you has the right-of-way. Both of you should alter course to avoid an accident. You should keep the other vessel on your port (left) side. This rule does not apply if both of you will clear one another if you continue on your set course and speed.



Crossing

When two power-driven vessels are crossing each other's path close enough to run the risk of collision, the vessel which has the other on the starboard (right) side must keep out of the way of the other. If the other vessel is on your starboard (right) side, you must keep out of its way; you are the give-way vessel. If the other vessel is on your port (left) side, remember that you should maintain course and direction, provided the other vessel gives you the right-of-way as it should.



Overtaking

If you are passing another vessel, you are the give-way vessel. This means that the other vessel is expected to maintain its course and speed. You must stay out of its way until you are clear of it. Likewise, if another vessel is passing you, you should maintain your speed and direction so that the other vessel can steer itself around you.

Other special situations

There are three other rules you should be aware of when riding your watercraft around other vessels.

Narrow channels and bends

When navigating in narrow channels, you should keep to the right when it is safe and practical to do so. If the operator of a power-driven vessel is preparing to go around a bend that may obstruct the view of other water vessels, the operator should sound a prolonged blast of four to six seconds on the whistle. If another vessel is around the bend, it too should sound the whistle. Even if no reply is heard, however, the vessel should still proceed around the bend with caution. If you navigate such waters with your watercraft, you will need to carry a portable air horn, available from local marine supply stores.

Fishing vessel right-of-way

All vessels fishing with nets, lines, or trawls are considered to be “fishing vessels” under the International Rules. Vessels with trolling lines are not considered fishing vessels. Fishing vessels have the right-of-way regardless of position. Fishing vessels cannot, however, impede the passage of other vessels in narrow channels.

Sailing vessel right-of-way

Sailing vessels should normally be given the right-of-way. The exceptions to this are:

(1) When the sailing vessel is overtaking the power-driven vessel, the power-driven vessel has the right-of-way.

(2) Sailing vessels should keep clear of any fishing vessel.

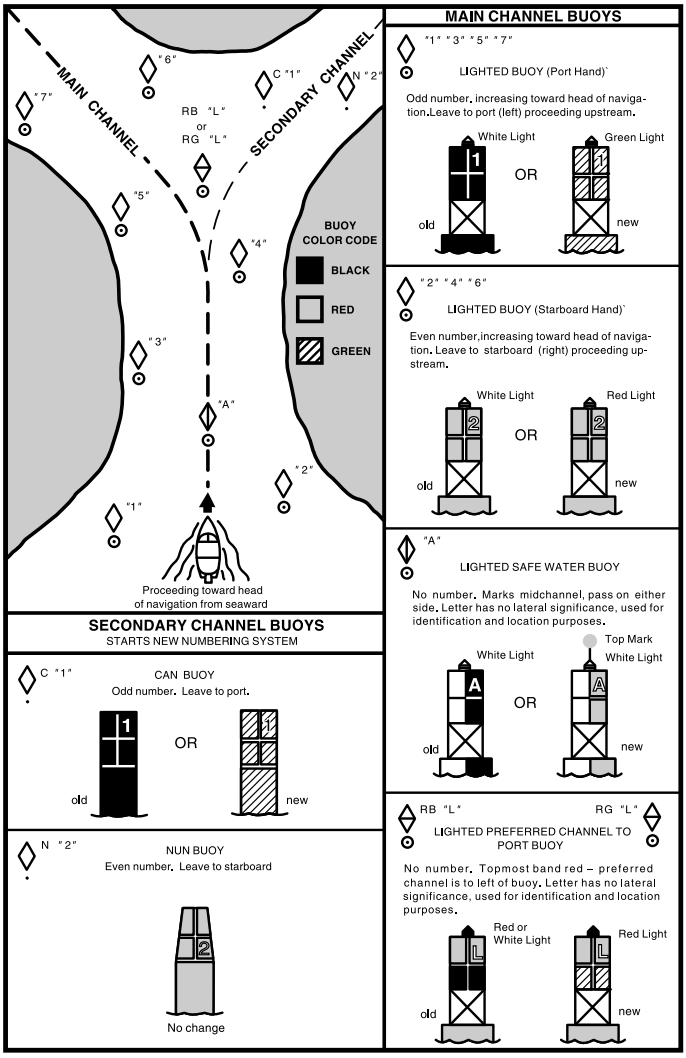
(3) In a narrow channel, a sailing vessel should not hamper the safe passage of a power-driven vessel that can navigate only in such a channel.

Reading buoys and other markers

The waters of the United States are marked for safe navigation by the lateral system of buoyage. Simply put, buoys and markers have an arrangement of shapes, colors, numbers, and lights to show which side of the buoy a boater should pass on when navigating in a particular direction. The markings on these buoys are oriented from the perspective of being entered from seaward (the boater is going towards the harbor). Red buoys are passed on your starboard (right) side when proceeding from open water into the harbor, and black buoys are to your port (left) side. An easy way to remember the meaning of the colors is the phrase “red right returning”. When navigating out of the harbor, your position with respect to the buoys should be reversed; red buoys should be to port and black buoys to starboard.

Many bodies of water used by boaters are entirely within the boundaries of a particular state. The Uniform State Waterway Marking System has been devised for these waters. This system uses buoys and signs with distinctive shapes and colors to show regulatory or advisory information. These markers are white with black letters and orange borders.

They signify speed zones, restricted areas, danger areas, and general information.



Remember, markings may vary by geographic location. Always consult local boating authorities before riding your watercraft in unfamiliar waters.

EJU30983

To get more boating safety information

Be informed about boating safety. Additional publications and information can be obtained from many organizations, including the following.

United States Coast Guard

Consumer Affairs Staff (G-BC)
Office of Boating, Public, and Consumer Affairs
U.S. Coast Guard Headquarters
Washington, D.C. 20593-0001
http://www.uscgboating.org/

Other sources

You can find local rules by contacting the National Association of State Boating Law Administrators, or your local Power Squadron.

Watercraft Education and Training

The Online Boating Safety Course, available through the watercraft section of the yamaha-motor.com website, is a free, 50 question learning course available to the public. Upon successful completion of 80 percent or better, the user can request a certificate of completion by mail or can download one immediately. The Online Boating Safety Course, provided by the Boat/US Foundation, is approved by the National Association of State Boating Law Administrators (NASBLA) and recognized by the United States Coast Guard. This course meets the education requirement for those states that recognize non-proctored, NASBLA-approved courses.

Yamaha is the watercraft industry's leading manufacturer to build awareness and support for boating education. In 1997, Yamaha launched its GET W.E.T. (Watercraft Education and Training) initiative and has since reached out to over one million Americans promoting the benefits of boating education.

The Online Boating Safety Course:
http://www.boatus.org/

EJU30992

Enjoy your watercraft responsibly

You share the areas you enjoy when riding your watercraft with others and with nature. So your enjoyment includes a responsibility to treat these other people, and the lands, waters, and wildlife with respect and courtesy.

Whenever and wherever you ride, think of yourself as the guest of those around you. Remember, for example, that the sound of your watercraft may be music to you, but it could be just noise to others. And the exciting splash of your wake can make waves others won't enjoy.

Avoid riding close to shoreline homes and waterfowl nesting areas or other wildlife areas, and keep a respectful distance from fishermen, other boats, swimmers, and populated beaches. When travel in areas like these is unavoidable, ride slowly and obey all laws.

Proper maintenance is necessary to ensure that the exhaust emission and sound levels of your watercraft will continue to be within regulated limits. You have the responsibility to make sure that the recommended maintenance in this owner's/operator's manual is carried out.

Remember, pollution can be harmful to the environment. Do not refuel or add oil where a spill could cause damage to nature. Remove your watercraft from the water and move it away from the shoreline before refueling. Dispose of water and any fuel and oil residue in the engine compartment according to local regulations. And keep your surroundings pleasant for the people and wildlife that share the waterways: don't litter.

When you ride responsibly, with respect and courtesy for others, you help ensure that our waterways stay open for the enjoyment of a variety of recreational opportunities.

EJU43331

Watercraft glossary

Trolling speed
"Trolling" is the lowest maneuvering speed. You are applying little or no throttle. The watercraft is down in the water, and there is no wake.

Sub-planing speed
"Sub-planing" is a medium speed. The bow of the watercraft is slightly up from the water surface, but you are still traveling through the water. There is a wake.

Planing speed
"Planing" is a faster speed. The watercraft is more level and is skimming on top of the water. There is a wake.

Bow
The front end of the watercraft.

Stern
The rear end of the watercraft.

Starboard
The right side of the watercraft when facing forward.

Port
The left side of the watercraft when facing forward.

Bilge water
Water that has collected in the engine compartment.

Yamaha Engine Management System (YEMS)
YEMS is an integrated, computerized management system that controls and adjusts ignition timing, fuel injection, engine diagnostics, and the off-throttle steering (OTS) system.

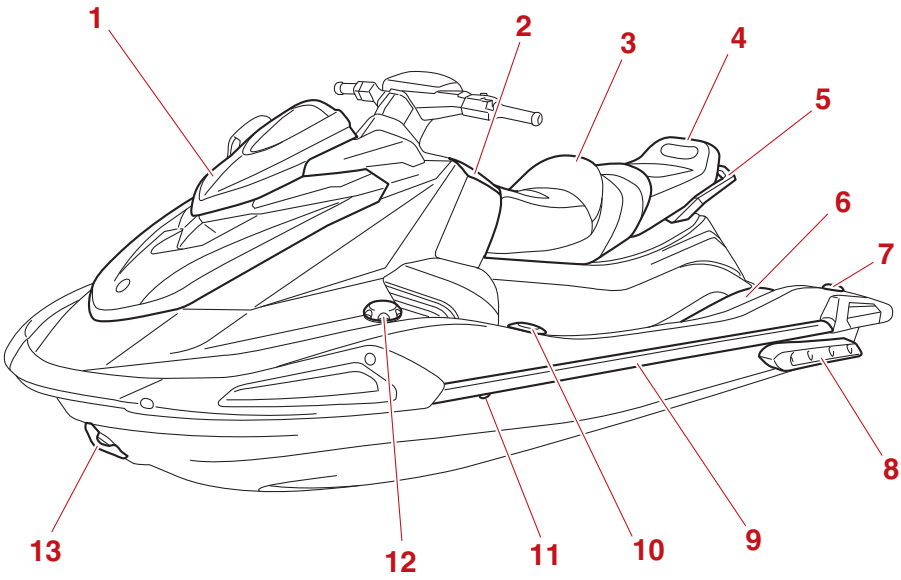
Reverse with Intuitive Deceleration Electronics (RiDE)
RiDE is an electronic system that controls the reverse, neutral, and deceleration operations of the watercraft.

Description

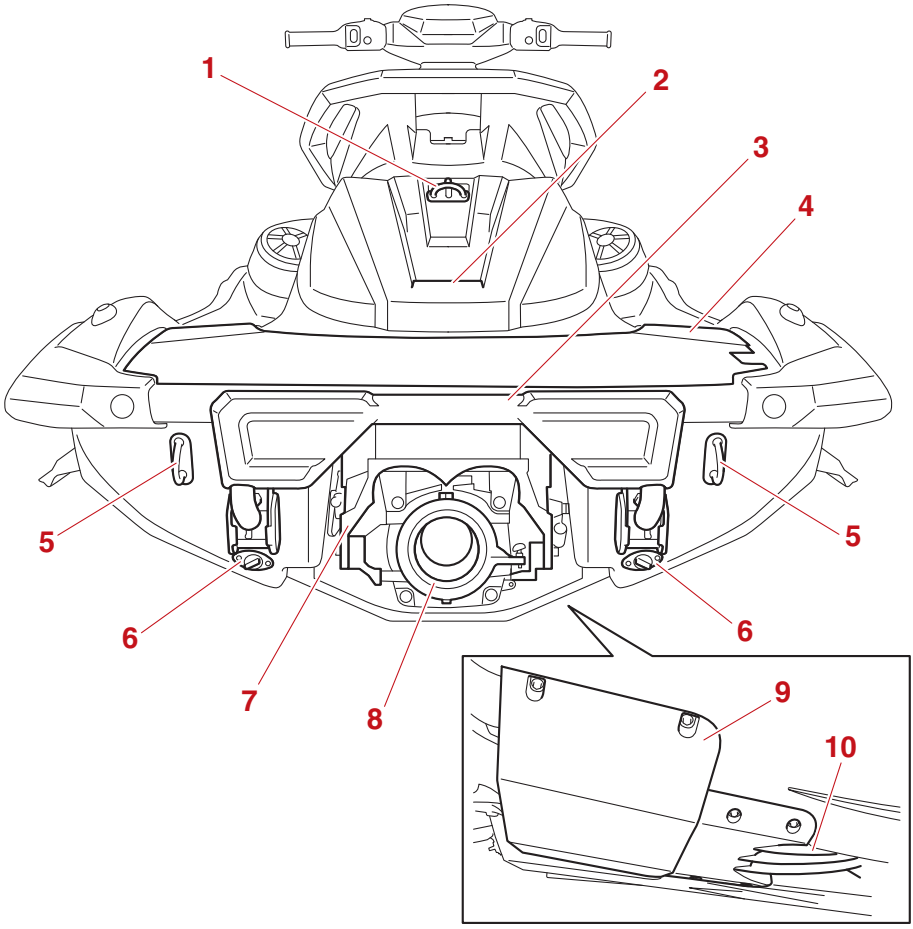
EJU31012

Location of main components

Exterior

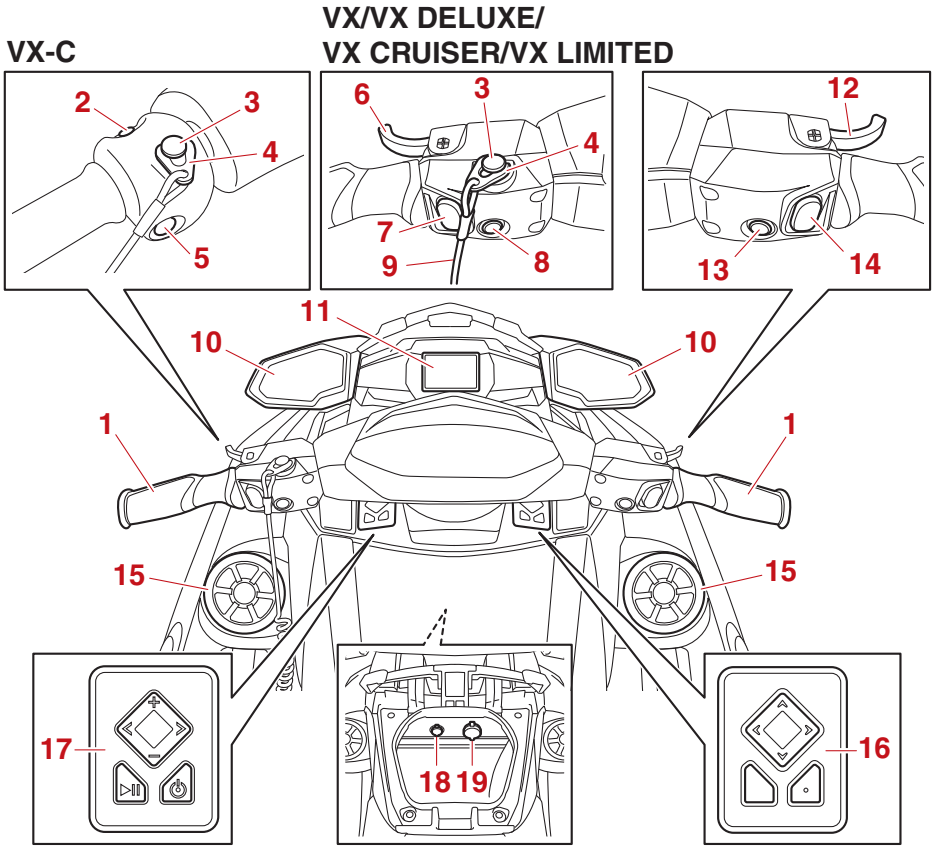


1 Hood
2 Glove compartment (page 64)
3 Front seat (page 60)
4 Rear seat (page 60)
5 Handgrip (page 61)
6 Footwell
7 Pull-up cleat (VX LIMITED) (page 63)
8 Sponson
9 Gunwale
10 Pull-up cleat (VX CRUISER / VX LIMITED) (page 63)
11 Cooling water pilot outlet (page 34)
12 Fuel filler cap (page 68)
13 Bow eye (page 62)



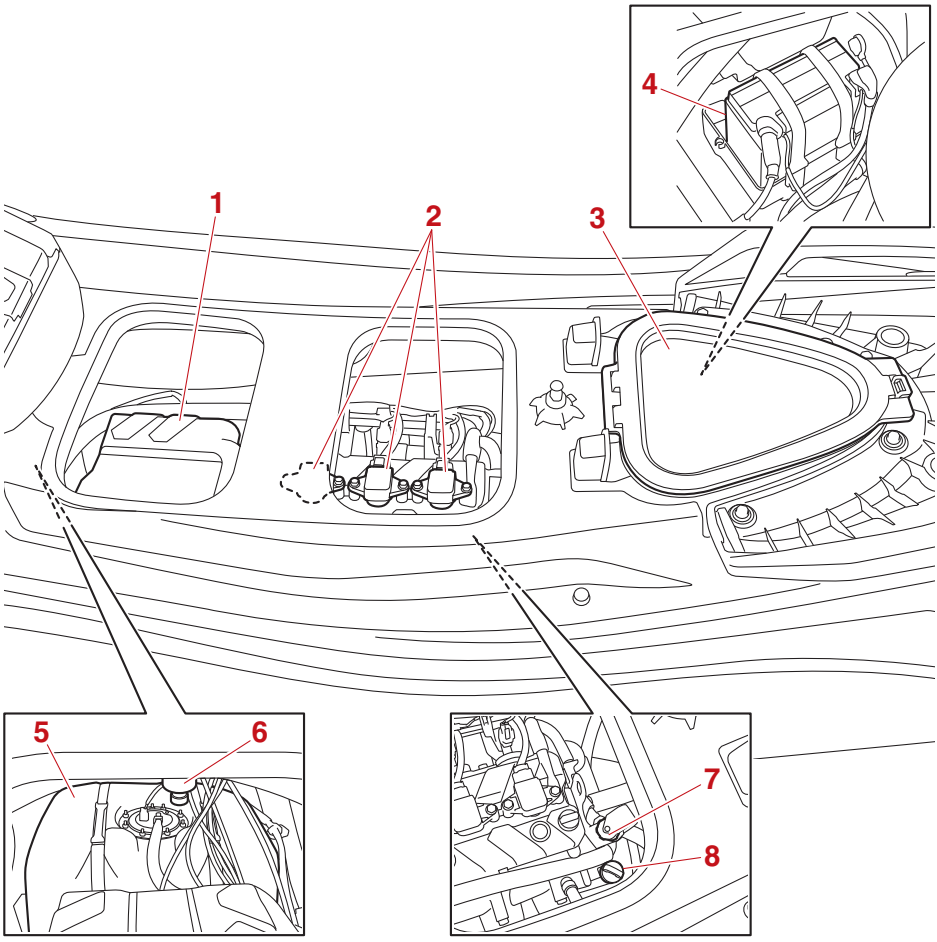
1 Cleat (page 63)
2 Reboarding grip (page 61)
3 Reboarding step (VX / VX DELUXE / VX CRUISER / VX LIMITED) (page 61)
4 Boarding platform
5 Stern eye (page 62)
6 Stern drain plug (page 72)
7 Reverse gate (VX / VX DELUXE / VX CRUISER / VX LIMITED) (page 36)
8 Jet thrust nozzle
9 Ride plate
10 Intake grate

Description



1 Handlebar
2 Start switch (VX-C) (page 33)
3 Engine shut-off switch (page 32)
4 Clip (page 32)
5 Engine stop switch (VX-C) (page 32)
6 RiDE lever (VX / VX DELUXE / VX CRUISER / VX LIMITED) (page 36)
7 “T.D.E.” switch (VX DELUXE / VX CRUISER / VX LIMITED) (page 40)
8 “CRUISE/NO WAKE” switch (VX DELUXE / VX CRUISER / VX LIMITED) (page 43, 41)
9 Engine shut-off cord (lanyard) (page 32)
10 Rearview mirror
11 Multifunction information center (page 45)
12 Throttle lever (page 33)
13 Engine start/stop switch (VX / VX DELUXE / VX CRUISER / VX LIMITED) (page 32)
14 “SPEED ADJUST” switch (VX DELUXE / VX CRUISER / VX LIMITED) (page 39, 41, 43)
15 Speaker (equipped models) (page 58)
16 Touchpad control (VX DELUXE / VX CRUISER / VX LIMITED) (page 51)
17 Audio control (equipped models) (page 58)
18 12V DC outlet (VX DELUXE / VX CRUISER / VX LIMITED) (page 58)
19 USB charger (VX DELUXE / VX CRUISER / VX LIMITED) (page 59)

Engine compartment



1 Air filter case
2 Spark plug/Ignition coil
3 Seat storage compartment (page 65)
4 Battery (page 78)
5 Fuel tank
6 Water separator (page 35)
7 Flushing hose connector (page 98)
8 Oil tank filler cap/Dipstick (page 70)

EJU31027
Watercraft control functions

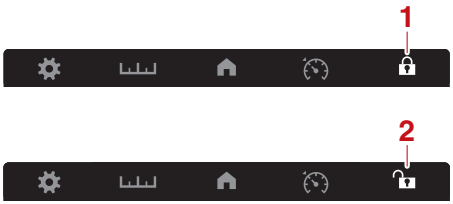
EJU45091
Yamaha Security System (VX DELUXE / VX CRUISER / VX LIMITED)

The Yamaha Security System functions to help prevent unauthorized use or theft of the watercraft. The lock and unlock modes of the security system can be selected using the engine lock screen of the multifunction information center. The engine cannot be started if the lock mode of the security system is selected. The engine can only be started if the unlock mode is selected.

TIP:
The Yamaha Security System setting can only be selected while the engine is stopped.

EJU45870
Yamaha Security System setting

The Yamaha Security System setting can be confirmed by the lock or unlock mode indicator on the multifunction information center.



1 Lock mode indicator
2 Unlock mode indicator

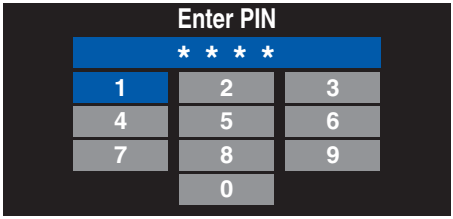
To select the lock or unlock mode of the Yamaha Security System:

(1) Stop the engine.

TIP:
The multifunction information center is turned on, even if the engine start/stop switch is also pushed briefly.

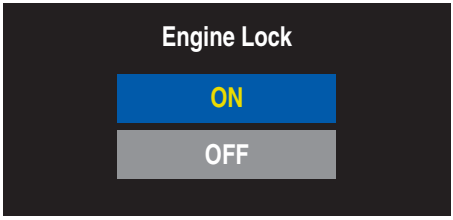
(2) Select the lock or unlock mode indicator on the multifunction information center.

(3) Input each digit of the 4-digit PIN, and then push the “OK” button of the touch-pad control.



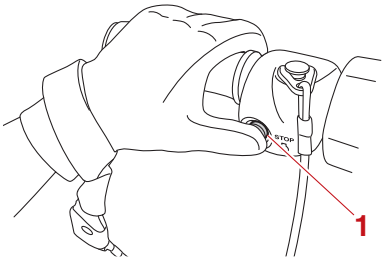
TIP:
The default setting for the PIN is “1234”. The PIN can also be changed. (See page 54 for information on changing the PIN.)

(4) To select the lock mode of the Yamaha Security System, select “ON”. To select the unlock mode, select “OFF”.



(5) The beeper sounds once when the lock mode of the Yamaha Security System is selected, and two times when the unlock mode is selected.

EJU31154
Engine stop switch "" (VX-C)
The engine stop switch (red button) stops the engine when the switch is pushed.

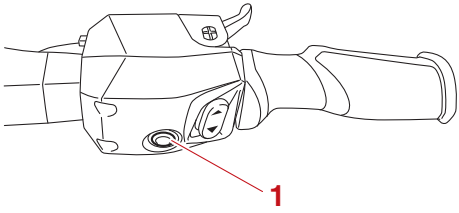


1 Engine stop switch

EJU46112
Engine start/stop switch "/" (VX / VX DELUXE / VX CRUISER / VX LIMITED)
ECJ01311
NOTICE

Do not run the engine over 4000 r/min on land. Also, do not run the engine for more than 15 seconds without supplying water, otherwise the engine could overheat.

The engine start/stop switch (red button) starts the engine when the switch is pushed while the engine is stopped, and stops the engine when the switch is pushed while the engine is running.
Release the engine start/stop switch as soon as the engine starts to run. If the engine does not start in 5 seconds, release the engine start/stop switch, wait 15 seconds, and then try again.

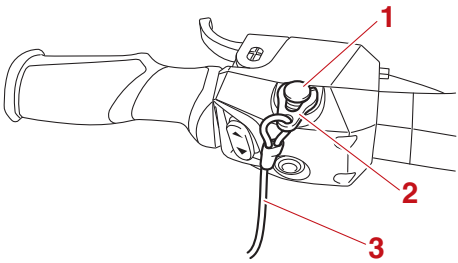


1 Engine start/stop switch

The engine will not start under any of the following conditions:
- VX DELUXE / VX CRUISER / VX LIMITED: Lock mode of the Yamaha Security System has been selected. (See page 31 for Yamaha Security System setting procedures.)
- Clip is removed from the engine shut-off switch.
- Throttle lever is squeezed.
- Throttle lever is malfunctioning.
- RiDE lever is squeezed.
- RiDE lever is malfunctioning.

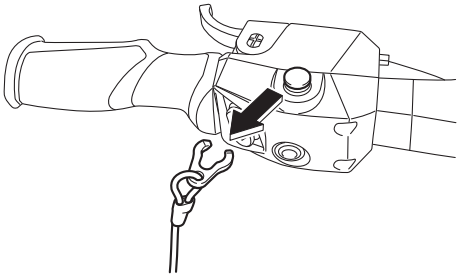
EJU31164
Engine shut-off switch ""
The engine shut-off switch automatically stops the engine when the clip, on the end of the engine shut-off cord (lanyard), is removed from the switch, such as if the operator falls off the watercraft.

Insert the clip under the engine shut-off switch before starting the engine.



1 Engine shut-off switch
2 Clip
3 Engine shut-off cord (lanyard)

When the engine is not running, remove the clip from the engine shut-off switch to prevent accidental starting or unauthorized operation by children or others.

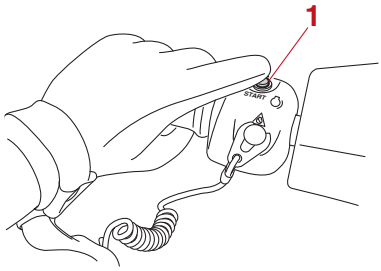


EJU46190
Start switch "⏻" (VX-C)
ECJ01311

NOTICE

Do not run the engine over 4000 r/min on land. Also, do not run the engine for more than 15 seconds without supplying water, otherwise the engine could overheat.

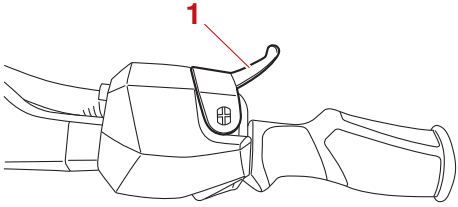
The start switch (green button) starts the engine when the switch is pushed.
Release the start switch as soon as the engine starts to run. If the engine does not start in 5 seconds, release the start switch, wait 15 seconds, and then try again. ***NOTICE:*** **Never push the start switch while the engine is running. Do not operate the start switch for more than 5 seconds, otherwise the battery will be discharged and the engine will not start. Also, the starter motor could be damaged.** [ECJ01041]



1 Start switch

The engine will not start under any of the following conditions:
- Clip is removed from the engine shut-off switch.
- Throttle lever is squeezed.
- Throttle lever is malfunctioning.

EJU31212
Throttle lever
The throttle lever increases the engine speed when the lever is squeezed.

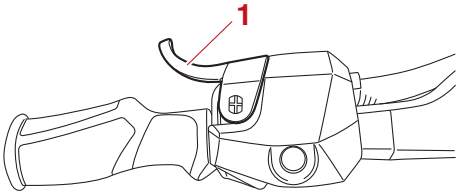


1 Throttle lever

The throttle lever returns automatically to its fully closed (idle) position when released.

EJU43342
RiDE lever (VX / VX DELUXE / VX CRUISER / VX LIMITED)

When the RiDE lever is squeezed, the reverse gate lowers and the watercraft starts moving in reverse. If the watercraft is moving forward, the watercraft gradually slows down until it stops, and then the watercraft starts moving in reverse.

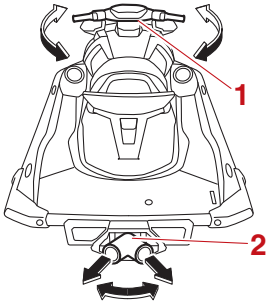


1 RiDE lever

When the RiDE lever is released, it automatically returns to its fully closed (idle) position and the reverse gate moves to the neutral position.

EJU31262
Steering system

By turning the handlebars in the direction you wish to travel, the angle of the jet thrust nozzle is changed, and the direction of the watercraft is changed accordingly.



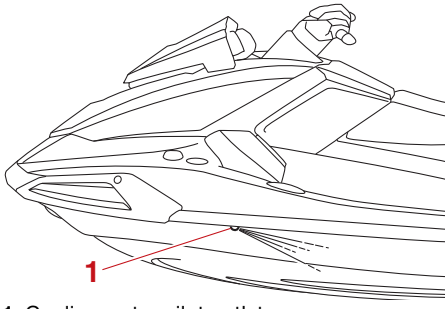
1 Handlebar
2 Jet thrust nozzle

Since the strength of the jet thrust determines the speed and degree of a turn, throttle must always be applied when attempting a turn, except at trolling speed.

This model is equipped with the Yamaha Engine Management System (YEMS) that includes an off-throttle steering (OTS) system. It will activate at planing speeds should you attempt to steer the watercraft after releasing the throttle lever. The OTS system assists in turning by continuing to supply some thrust while the watercraft is decelerating, but you can turn more sharply if you apply throttle while turning the handlebars. The OTS system does not function below planing speeds or when the engine is off. Once the engine slows down, the watercraft will no longer turn in response to handlebar input until you apply throttle again or you reach trolling speed.

EJU35975
Cooling water pilot outlet

When the engine is running, some of the cooling water that is circulated in the engine is discharged from the cooling water pilot outlet.



1 Cooling water pilot outlet

There is a cooling water pilot outlet on the port (left) side of the watercraft. To check for proper operation of the cooling system, make sure that water is being discharged from the cooling water pilot outlet. If water is not being discharged from the outlet, stop the engine

and check the jet intake for clogging. (See page 113 for information on the jet intake.)

TIP:

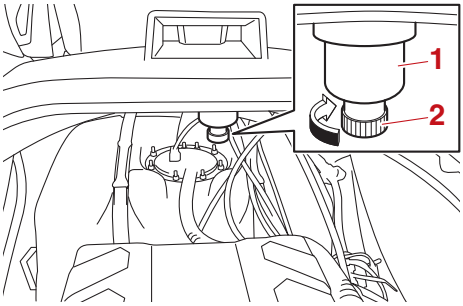
- It will take about 60 seconds for the water to reach the outlet after the engine is started.
- Water discharge may not be constant when the engine is running at idling speed. If this occurs, apply a little throttle to make sure that water discharges properly.

EJU40323

Water separator

The water separator prevents water from entering the fuel tank by collecting any water that has entered the fuel tank breather hose if the watercraft was capsized.

If water has collected in the water separator, drain it by loosening the drain screw.



1 Water separator
2 Drain screw

To drain water from the water separator:

(1) Place a drain pan or dry cloth under the water separator.
(2) Gradually loosen the drain screw to drain the water. Catch the draining water in the drain pan or soak it up with the dry cloth so that it does not spill into the engine compartment. If any water spills into the watercraft, be sure to wipe it up with a dry cloth.
(3) Securely tighten the drain screw until it stops.

EJU40014
Watercraft operation functions

EJU43155
Shift system (VX / VX DELUXE / VX CRUISER / VX LIMITED)

EWJ01773
WARNING

- **Make sure that there are no obstacles or people behind you before shifting into reverse.**
- **Do not touch the reverse gate while the RiDE lever is being operated, otherwise you could be pinched.**
- **If the RiDE lever and throttle lever are being operated at the same time, do not release only the RiDE lever. Otherwise, the watercraft could accelerate more quickly than expected, which may lead to an accident.**

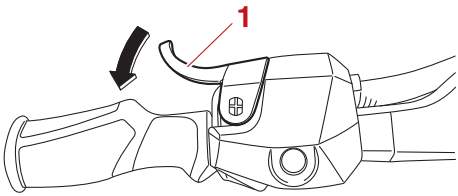
The RiDE lever and throttle lever can be operated to change the forward or rearward movement of the watercraft only when the engine is running. When the RiDE lever is squeezed, the reverse gate lowers and deflects the water jet being discharged from the jet thrust nozzle so that the watercraft moves in reverse or is in neutral. When the throttle lever is squeezed, the reverse gate rises and the watercraft moves forward.

TIP:

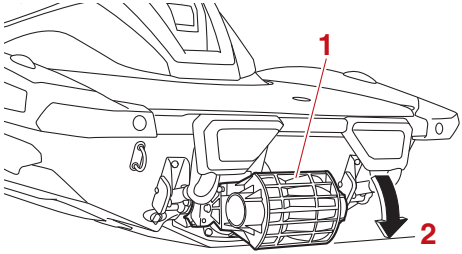
- This model is equipped with a function which limits the engine speed in reverse.
- When the engine is started, the reverse gate automatically moves to the neutral position.

To shift into reverse:

(1) Release the throttle lever.
(2) Squeeze the RiDE lever. The reverse gate will lower, the engine speed will increase, the watercraft will start moving in reverse, and the "R" (reverse) shift indicator will be displayed.

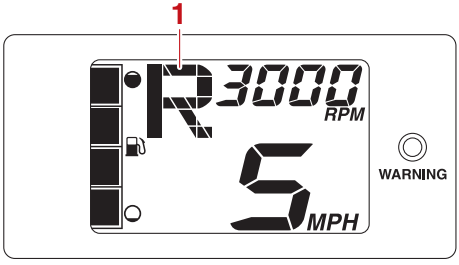


1 RiDE lever



1 Reverse gate
2 Reverse position

VX



1 "R" (Reverse position)

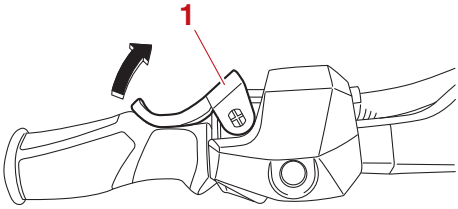
VX DELUXE / VX CRUISER / VX LIMITED



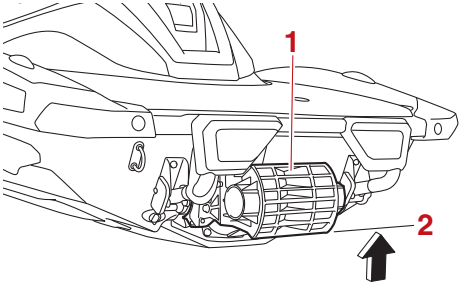
1 “R” (Reverse position)

To shift into neutral from reverse:

Release the RiDE lever. The reverse gate will automatically return to the neutral position and the “N” (neutral) shift indicator will be displayed.

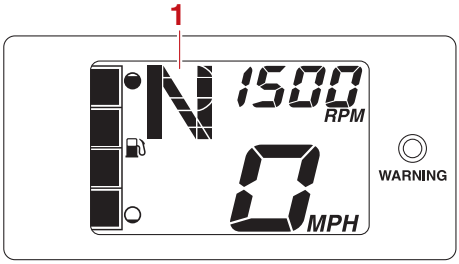


1 RiDE lever



1 Reverse gate
2 Neutral position

VX



1 “N” (Neutral position)

VX DELUXE / VX CRUISER / VX LIMITED



1 “N” (Neutral position)

TIP:

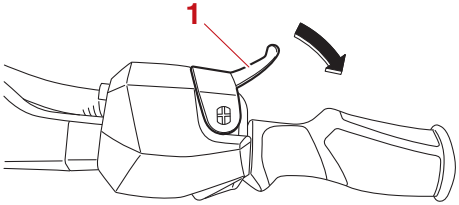
Although the neutral position helps keep the watercraft from moving even when the engine is running, some movement may occur.

To shift into forward:

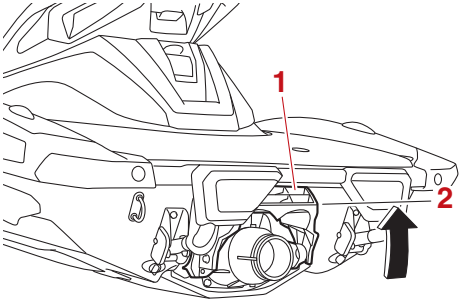
(1) Release the RiDE lever.

(2) Squeeze the throttle lever. The reverse gate will rise completely, the engine speed will increase, the watercraft will

start moving forward, and the “F” (forward) shift indicator will be displayed.

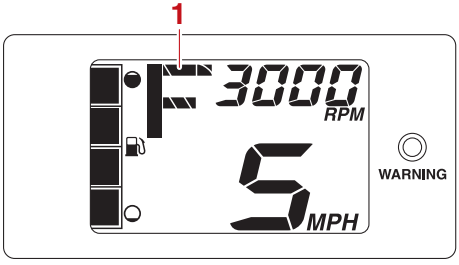


1 Throttle lever



1 Reverse gate
2 Forward position

VX



1 “F” (Forward position)

VX DELUXE / VX CRUISER / VX LIMITED



1 “F” (Forward position)

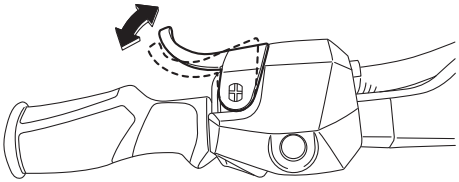
TIP:

If the RiDE lever is squeezed while the throttle lever is squeezed, the watercraft will slow down, and once stopped, move in reverse.

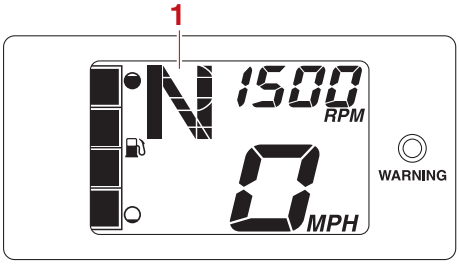
To shift into neutral from forward:

(1) Release the throttle lever.

(2) Lightly squeeze and release the RiDE lever. The “N” (neutral) shift indicator will be displayed.



VX



1 “N” (Neutral position)

VX DELUXE / VX CRUISER / VX LIMITED



1 “N” (Neutral position)

TIP:

If the RiDE lever is squeezed continuously, the reverse gate will move to the reverse position.

EJU40003

Watercraft operation modes (VX DELUXE / VX CRUISER / VX LIMITED)

EJU45891

Reverse assist

The reverse assist is a function for temporarily increasing the engine speed when moving in reverse, such as to enter the water smoothly when launching the watercraft from a trailer.

This function operates after the engine is started and only if the watercraft is not shifted into forward.

TIP:

Once the watercraft is shifted into forward after the engine is started, the reverse assist cannot be operated.

Activating and deactivating the reverse assist

The activation of the reverse assist can be confirmed by the reverse assist indicator on the multifunction information center.



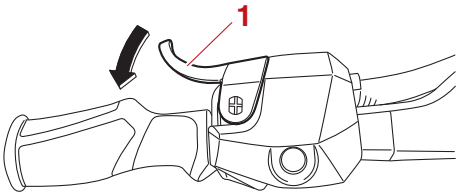
1 Reverse assist indicator
2 Reverse assist level

To activate the reverse assist:

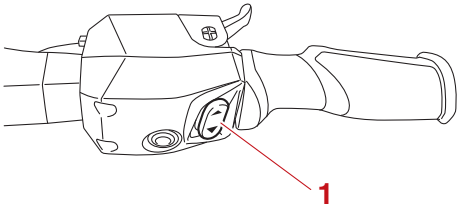
(1) Start the engine.

(2) Squeeze the RiDE lever to the fully open position, and then push the upper side of the “SPEED ADJUST” switch. Once the beeper sounds three times and the re-

verse assist indicator is displayed, the engine speed will increase. The engine speed can be adjusted to two levels: +1 and +2.



1 RiDE lever



1 "SPEED ADJUST" switch

To deactivate the reverse assist:

Perform one of the following operations. The beeper sounds two times and the reverse assist indicator disappears when the reverse assist is deactivated.

- Relax your grip on the RiDE lever.
- Push the lower side of the "SPEED ADJUST" switch when the reverse assist level is set to +1.
- Squeeze the throttle lever.

EJU46280

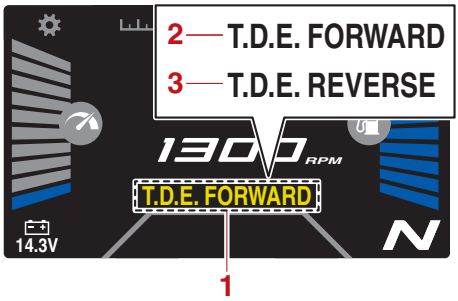
T.D.E. (thrust directional enhancer)

The T.D.E. is a function for slightly lifting or lowering the reverse gate from the neutral position to operate the watercraft at very low speeds when the engine is running at idling speed.

This function can be used only when the watercraft is in neutral.

Activating and deactivating the T.D.E.

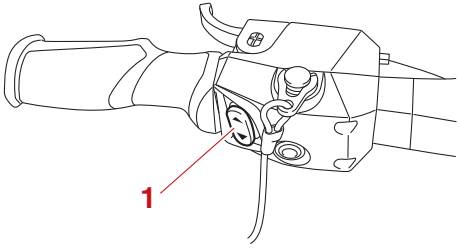
The activation of the T.D.E. can be confirmed by the T.D.E. indicator on the multifunction information center.



1 T.D.E. indicator
2 Forward operation at a very low speed
3 Reverse operation at a very low speed

To activate the T.D.E.:

(1) Shift into neutral.
(2) Push the upper side of the "T.D.E." switch to move forward at a very low speed or push the lower side of the "T.D.E." switch to move in reverse at a very low speed.



1 "T.D.E." switch

TIP:
While the T.D.E. is activated, the “N” (neutral) shift indicator will be displayed and “0” will be displayed on the speedometer.

To deactivate the T.D.E.:

Perform one of the following operations. The T.D.E. indicator disappears and the T.D.E. is deactivated.

- Squeeze the throttle lever.
- Squeeze the RiDE lever.
- Push and hold the “CRUISE/NO WAKE” switch.
- While moving forward at a very low speed, push the lower side of the “T.D.E.” switch.
- While moving in reverse at a very low speed, push the upper side of the “T.D.E.” switch.

TIP:
The T.D.E. is also deactivated when the engine is stopped.

EJU46420

No-wake mode

The no-wake mode is a function that maintains the engine speed at a fixed setting for operating the watercraft at low speeds.

This function can be used only when the watercraft is in neutral, or when the watercraft is shifted into forward and the engine is operating at idling speed.

TIP:
If the no-wake mode is activated when the watercraft is in neutral, the watercraft will automatically shift into forward and the watercraft will start moving at a low speed.

Activating and deactivating the no-wake mode

The activation of the no-wake mode can be confirmed by the no-wake mode indicator on the multifunction information center.

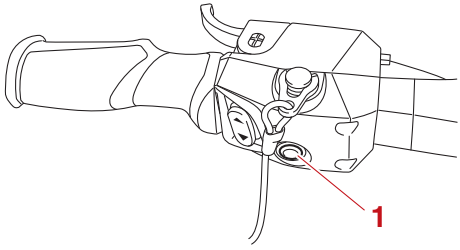


1 No-wake mode indicator

To activate the no-wake mode:

(1) Shift into neutral, or release the throttle lever and let the engine speed return to idle.

(2) Push and hold the “CRUISE/NO WAKE” switch. Once the beeper sounds three times and the no-wake mode indicator is displayed, the no-wake mode is activated.



1 “CRUISE/NO WAKE” switch

To deactivate the no-wake mode:

Perform one of the following operations. The beeper sounds two times and the no-wake mode indicator disappears when the no-wake mode is deactivated.

- Push the “CRUISE/NO WAKE” switch.
- Squeeze the throttle lever.
- Squeeze the RiDE lever.

TIP:
The no-wake mode is also deactivated when the engine is stopped.

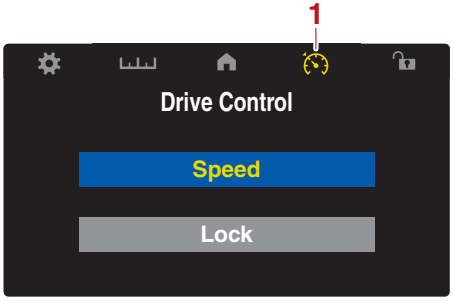
EJU46380

Drive control mode

The drive control mode is a function for setting the maximum watercraft speed.
The maximum watercraft speed can be selected from two settings.

Activating the drive control mode

Activation of the drive control mode can be confirmed by the drive control mode indicator on the multifunction information center. When the drive control mode is activated, the drive control mode indicator is shown in light yellow.



1 Drive control mode indicator

To operate the watercraft using the drive control mode:

(1) Release the throttle lever and let the engine speed return to idle.
(2) Activate each drive control mode.
(3) Squeeze the throttle lever.

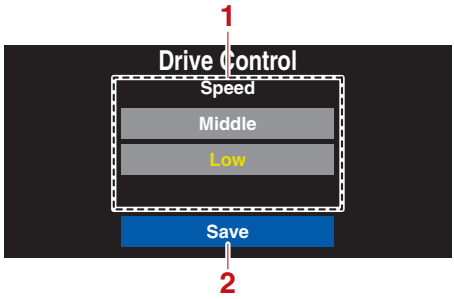
Selecting the drive control mode settings

The drive control mode setting for the maximum watercraft speed is saved. In addition, the activation and settings of the drive control mode can be locked to prevent others from changing them.

When the drive control mode is locked, a PIN must be entered to operate the drive control mode screen.

To select the maximum watercraft speed setting:

(1) Select “Speed”.
(2) Select the maximum watercraft speed setting.



1 Maximum watercraft speed setting
2 “Save”

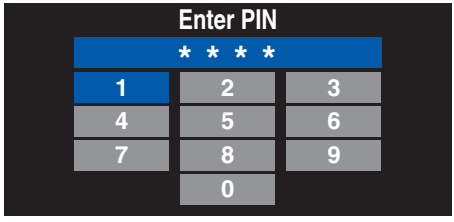
(3) Select the “Save” button to complete the settings and return to the previous display.

Locking the drive control mode

The drive control mode can be locked.

To lock the drive control mode:

(1) Select “Lock”.
(2) Input each digit of the 4-digit PIN, and then push the “OK” button of the touchpad control.



To unlock the drive control mode:

(1) Select the drive control mode indicator.
(2) Input each digit of the 4-digit PIN, and then push the “OK” button of the touchpad control.
(3) Select “Lock”.

EJU46390

Cruise assist

The cruise assist is a function for maintaining a desired engine speed within a fixed range while operating the watercraft. Once the cruise assist is activated, the set engine speed can be increased or decreased. However, the adjustment is limited to a maximum of five increments above or below the initial cruise assist setting.

TIP:

The cruise assist can only be set between engine speeds of approximately 4000 r/min and approximately 7000 r/min.

Activating and deactivating the cruise assist

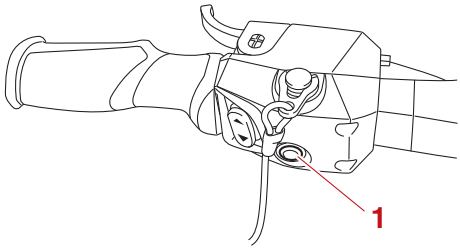
Activation of the cruise assist can be confirmed by the cruise assist indicator on the multifunction information center.



1 Cruise assist indicator
2 Cruise assist level

To activate the cruise assist:

(1) Operate the throttle lever until the desired engine speed is reached.
(2) When the engine speed reaches the desired cruise assist setting, push the “CRUISE/NO WAKE” switch. Once the beeper sounds three times and the cruise assist indicator is displayed, the cruise assist is activated.



1 “CRUISE/NO WAKE” switch

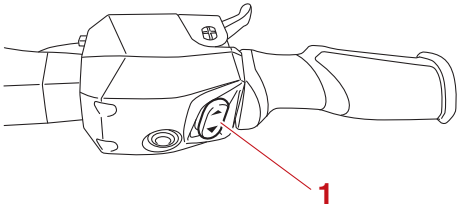
(3) When the cruise assist is activated, slowly squeeze the throttle lever to keep it squeezed further than the position at which the cruise assist was set.

TIP:

Check the multifunction information center to make sure that the cruise assist is activated before squeezing the throttle lever to the full throttle position. If the cruise assist is not activated, the engine will respond normally to the throttle operation.

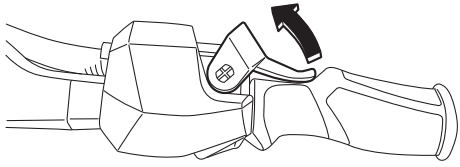
(4) Once the cruise assist is activated, push the upper side of the “SPEED ADJUST” switch to increase the set engine speed or the lower side of the “SPEED ADJUST” switch to decrease the set engine speed. The engine speed can be

changed in the range of the cruise assist levels –5 to +5.



1 "SPEED ADJUST" switch

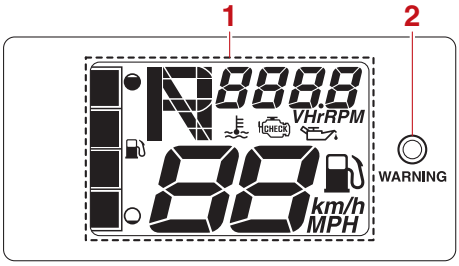
TIP:
Because the cruise assist can only be set between engine speeds of approximately 4000 r/min and approximately 7000 r/min, the cruise assist level cannot be adjusted to an engine speed outside of this range.
To deactivate the cruise assist:
Relax your grip on the throttle lever past the position at which the cruise assist was set. The beeper sounds two times and the cruise assist indicator disappears when the cruise assist is deactivated.



EJU44571

Multifunction information center (VX-C / VX)

The multifunction information center displays various watercraft information.



1 Information display
2 "WARNING" indicator light

Multifunction information center initial operation

When the multifunction information center is activated, all of the display segments come on. After 2 seconds, the warning indicators in the information display go off, and then the center starts to operate normally.

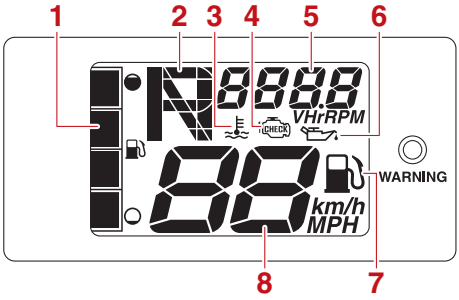
Multifunction information center standby state

If the multifunction information center does not receive any operation input within 30 seconds after the engine stops, the center will turn off and enter a standby state. When the engine is started again, the displays return to their state before the center turned off, and then the center starts to operate normally.

EJU35027

Information display

The information display shows watercraft operating conditions.

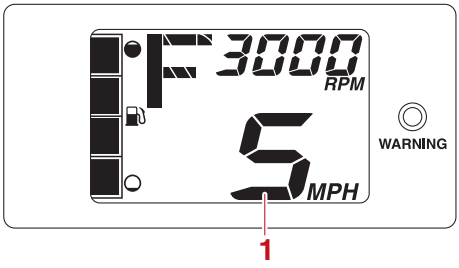


1 Fuel level meter
2 Shift indicator (VX)
3 Engine overheat warning indicator
4 Check engine warning indicator
5 Tachometer / hour meter / voltmeter
6 Oil pressure warning indicator
7 Fuel level warning indicator
8 Speedometer

EJU46430

Speedometer

The speedometer shows the watercraft speed.

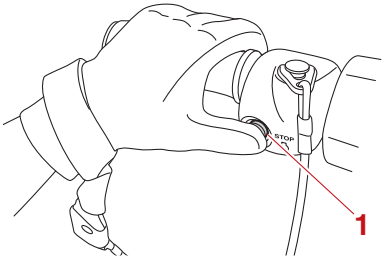


1 Speedometer

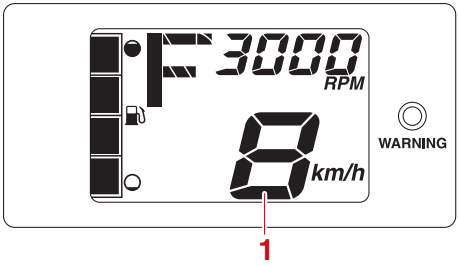
By switching the display units, the speed can be shown in kilometers per hour "km/h" or miles per hour "MPH".

TIP:
"MPH" is selected as the display unit at the Yamaha factory.

To switch the speedometer display units (VX-C):
Start the engine, stop the engine, and then push the engine stop switch 3 times, pushing the switch for 0.4 seconds or more each time, before the multifunction information center turns off. The speedometer display units change.
To switch the speedometer display units again, repeat this procedure.

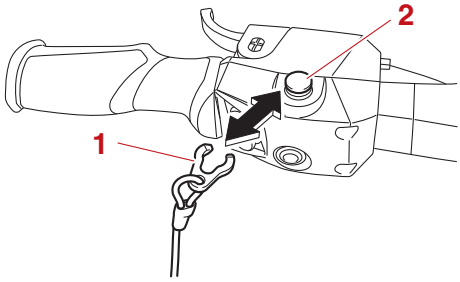


1 Engine stop switch

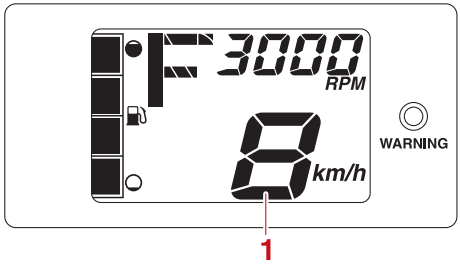


1 Speedometer

To switch the speedometer display units (VX):
Start the engine, stop the engine, and then remove and insert the clip 3 times before the multifunction information center turns off. The speedometer display units change.
To switch the speedometer display units again, repeat this procedure.

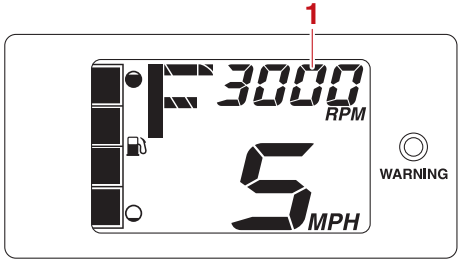


1 Clip
2 Engine shut-off switch



1 Speedometer

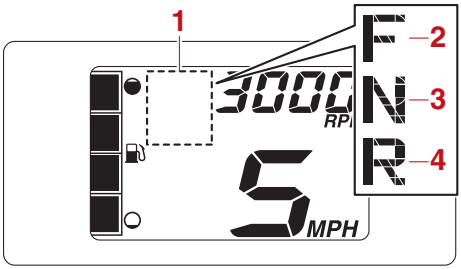
EJU44650
Tachometer
The tachometer shows the engine speed.



1 Tachometer

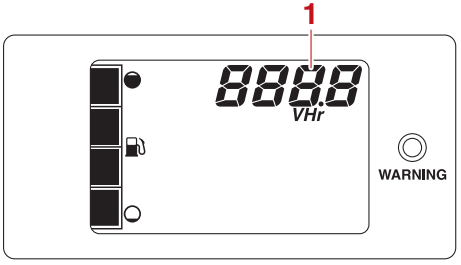
TIP:
While the engine is stopped, the battery voltage and the total engine hours are displayed alternately.

EJU46200
Shift indicator (VX)
This indicator shows the reverse gate shift positions: “F” (forward), “N” (neutral), and “R” (reverse). (See page 36 for shifting procedures.)



1 Shift indicator
2 “F” (Forward position)
3 “N” (Neutral position)
4 “R” (Reverse position)

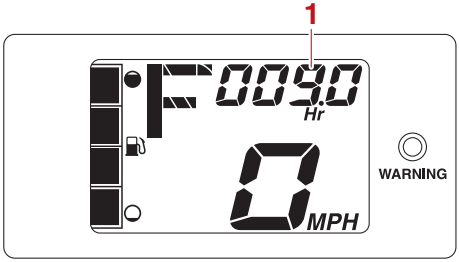
EJU44700
Hour meter and voltmeter
The hour meter and voltmeter are displayed in the tachometer portion of the information display while the engine is stopped.
The hour meter and voltmeter are displayed alternately at 3-second intervals.



1 Hour meter and voltmeter

TIP:
If the engine is stopped after the check engine warning is activated, the hour meter and error code will be displayed alternately at 3-second intervals.

Hour meter
The hour meter shows the total number of hours that the engine has been running since the watercraft was new.

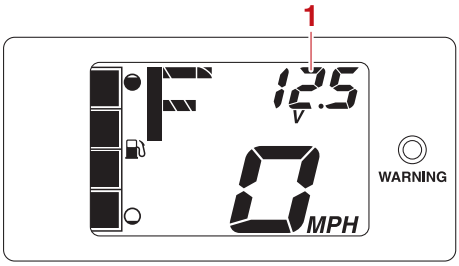


1 Hour meter

TIP:
The elapsed time will be kept even if the battery terminals have been disconnected.

Voltmeter
The voltmeter shows the battery voltage.
When the battery voltage is normal, the voltmeter displays approximately 12 volts.
If the battery voltage has dropped significantly, “Lo” is displayed on the voltmeter, and all other display segments of the information display turn off. If the battery voltage has risen significantly, “HI” is displayed. If “Lo” or “HI” is displayed, immediately return to shore

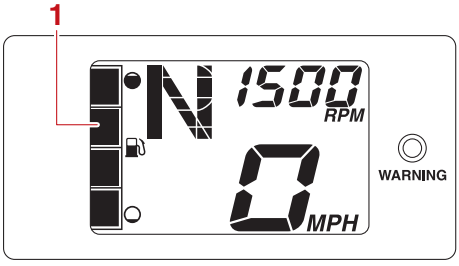
and have a Yamaha dealer service the watercraft.



1 Voltmeter

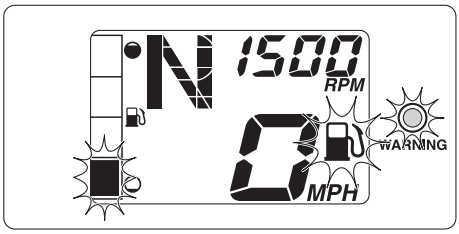
EJU37272
Fuel level meter
The fuel level meter shows the amount of fuel remaining in the fuel tank. The amount of remaining fuel is shown using four display segments, which disappear one at a time as the fuel level decreases.

TIP:
The accuracy of the fuel level meter varies depending on the operating conditions. Use this function as a reference only.



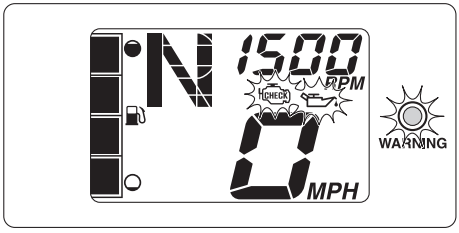
1 Fuel level meter

EJU44711
Fuel level warning
If the fuel remaining in the fuel tank drops to about 18 L (4.8 US gal, 4.0 Imp.gal), the lowest fuel level segment, the fuel level warning indicator, and the “WARNING” indicator light blink, and the buzzer sounds intermittently for 30 seconds.



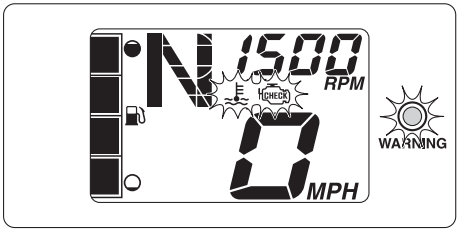
If the fuel level warning is activated, refill the fuel tank as soon as possible. (See page 68 for information on filling the fuel tank.)
After the fuel tank is refilled, the warning signals will be cleared when the engine is restarted.

EJU43720
Oil pressure warning
If the oil pressure drops significantly, the oil pressure warning indicator, the check engine warning indicator, and the “WARNING” indicator light blink, and the buzzer sounds intermittently for 30 seconds. At the same time, the maximum engine speed is limited.

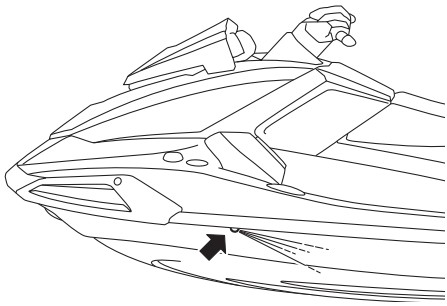


If the oil pressure warning is activated, immediately reduce the engine speed, return to shore, and then check the engine oil level. (See page 70 for information on checking the engine oil level.) If the oil level is sufficient, have a Yamaha dealer check the watercraft.

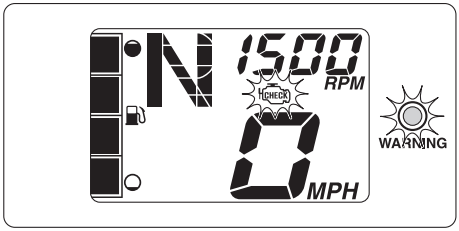
EJU43901
Engine overheat warning
If the engine temperature rises significantly, the engine overheat warning indicator, the check engine warning indicator, and the "WARNING" indicator light blink, and the buzzer sounds intermittently. After 5 seconds, the engine overheat warning indicator and the "WARNING" indicator light stop blinking and remain on, and the buzzer sounds continuously. After 30 seconds, the buzzer stops. While the engine overheat warning is activated, the maximum engine speed is limited.



If the engine overheat warning is activated, immediately reduce the engine speed, return to shore, and then make sure that water is being discharged from the cooling water pilot outlet while the engine is running. If there is no discharge of water, stop the engine, and then check the jet intake for clogging. (See page 113 for information on the jet intake.) ***NOTICE:*** **If you cannot locate and correct the cause of the overheating, consult a Yamaha dealer. Continuing to operate at higher speeds could result in severe engine damage.** [ECJ00042]

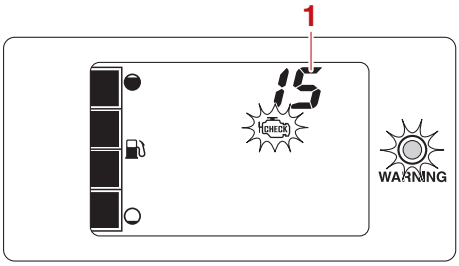


EJU44690
Check engine warning
If a sensor malfunction or a short circuit is detected, the check engine warning indicator and the "WARNING" indicator light blink, and the buzzer sounds intermittently for 30 seconds.



If the engine is stopped after the check engine warning is activated, the tachometer portion of the information display will show

the hour meter and error code alternately at 3-second intervals.



1 Error code

If the check engine warning is activated, immediately reduce the engine speed, return to shore, and have a Yamaha dealer check the engine.

EJU45941

Multifunction information center (VX DELUXE / VX CRUISER / VX LIMITED)

The multifunction information center displays various watercraft information.

The multifunction information center can turn the various functions on or off or change settings by using the d-pad of the touchpad control.

In addition, the language and display units shown can be changed. (See page 53 for information on changing the language and display units.) In the illustrations in this manual, English is used for the language and US units are used for the display units.

Turning on the multifunction information center

When the engine start/stop switch is pushed, the multifunction information center turns on. After the logo display appears for a few seconds, the home screen is displayed.

TIP:

The multifunction information center is turned on, even if the engine start/stop switch is also pushed briefly.

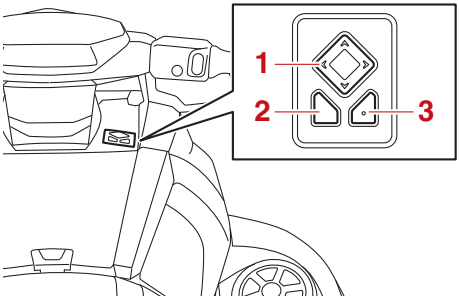
Turning off the multifunction information center

If the multifunction information center does not receive any operation input within 25 seconds after the engine stops or if 3 minutes have elapsed after the engine stops, the center turns off.

TIP:

The multifunction information center turns off 3 minutes after the engine stops even if there is operation input.

EJU45951
Operation buttons
This model is equipped with a touchpad control to operate the multifunction information center.



1 D-pad
2 “BACK” button
3 “OK” button

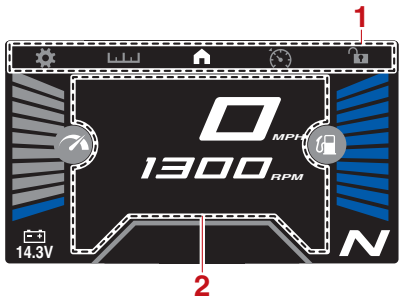
D-pad
Operate the d-pad to switch or select screens for each item.
If the right side of the d-pad is pushed when the home screen is displayed, the multifunction information center switches in the following order.
Home screen → Drive control screen → Engine lock screen → Setting screen → Information screen → Home screen

“BACK” button
Push this button to go back to the previous screen.
Push and hold the “BACK” button and the “OK” button simultaneously to display the home screen.

“OK” button
Push this button to select the currently highlighted item.

TIP:
Push this button to stop the buzzer when a warning is activated.

EJU46290
Display
The display is configured as shown below.



1 Screen tab bar
2 Center display



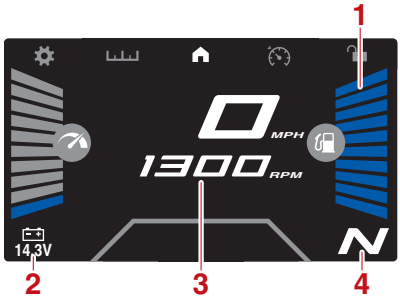
1 Warning bar

Screen tab bar
When each symbol is selected, the watercraft information, function settings, and other information are shown in the center display. (See page 52 for information on each screen.)

Center display
The center display shows the watercraft information, function settings, and other information according to the symbol on the screen tab bar that is selected.

Warning bar
The warning bar is shown when an error or malfunction is detected.
Push the “OK” button of the touchpad control when the warning symbol is displayed to show the warning description, error code, and other information in the center display.

(See page 55 for information about the warning descriptions.)



1 Fuel level meter
2 Voltmeter
3 Tachometer
4 Shift indicator

Voltmeter

The voltmeter shows the battery voltage. When the battery voltage is normal, the voltmeter displays approximately 14 volts.

If the battery voltage has dropped or risen significantly, the battery voltage warning will activate and the voltage display will blink. (See page 56 for information on the battery voltage warning.)

Tachometer

The tachometer shows the engine speed and the number of display segments.

Shift indicator

This indicator shows the reverse gate shift positions: “F” (forward), “N” (neutral), and “R” (reverse). (See page 36 for shifting procedures.)

Fuel level meter

The fuel level meter shows the amount of fuel remaining in the fuel tank using the number of display segments.

If the amount of remaining fuel is low, the fuel level warning will activate. (See page 55 for information on the fuel level warning.)

TIP:

The accuracy of the fuel level meter varies depending on the operating conditions. Use this function as a reference only.

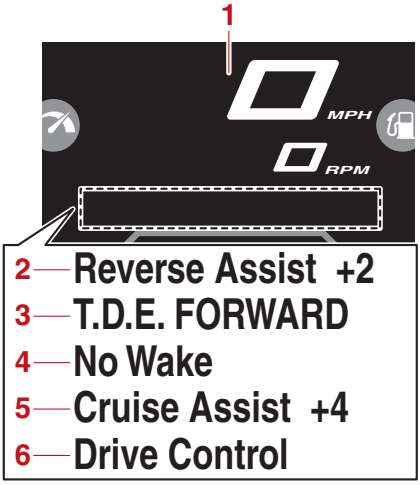
EJU45151

Home screen “⌂”

The center display of the home screen shows the speedometer and the indicators for the operation modes. (See page 39 for information on the functions of the various modes.)

TIP:

If the engine speed increases while the drive control mode screen, setting menu screen, or engine lock screen is displayed, the multi-function information center will automatically switch to the home screen.



1 Speedometer
2 Reverse assist indicator
3 T.D.E. indicator
4 No-wake mode indicator
5 Cruise assist indicator
6 Drive control indicator

Speedometer

The speedometer shows the watercraft speed.

TIP:

- The display units of the speedometer are selected according to the display units of the multifunction information center. (See page 54 for information on switching the display units.)
- When operating the watercraft in reverse, or when moving forward or in reverse at a very low speed using the T.D.E., “0” will be displayed on the speedometer.

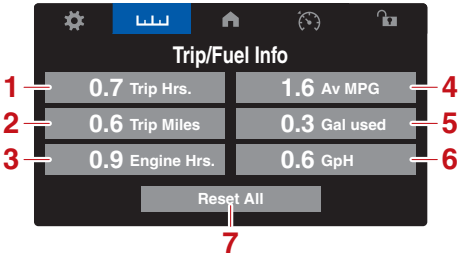
EJU45970

Information screen “⊔⊔”

The information screens show the trip information and fuel information in the center display.

TIP:

The display units for the distances and fuel amounts are selected according to the display units of the multifunction information center. (See page 54 for information on switching the display units.)



1 Trip time
2 Distance traveled
3 Total engine hours
4 Average fuel consumption per gallon or liter
5 Total fuel used
6 Fuel consumption per hour
7 “Reset All”

Item	Description
Trip time*	Shows the hours of engine operation that have elapsed since the item was last reset.
Distance traveled*	Shows the distance traveled by the watercraft since the item was last reset.
Total engine hours	Shows the total hours of engine operation that have elapsed since the watercraft was new.
Average fuel consumption per gallon or liter*	Shows the average distance that was traveled by the watercraft on 1.0 gallon or 1.0 liter of fuel since the item was last reset.
Total fuel used*	Shows the total fuel that has been consumed by the engine in gallons or liters since the item was last reset.
Fuel consumption per hour	Shows the current fuel consumption in gallons per hour or liters per hour.

* This item can be reset by pushing the “OK” button of the touchpad control.
To reset all items, select “Reset All”.

EJU45170

Drive control mode screen “⏲”

The drive control mode screen shows the setting screen for the drive control mode in the center display. (See page 42 for information on the drive control mode.)

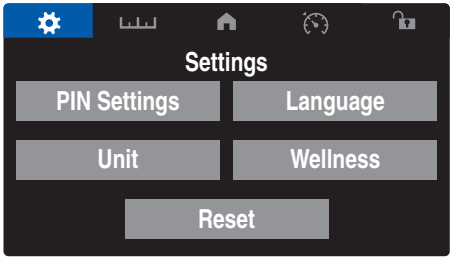
EJU45980

Setting menu screen “⚙”

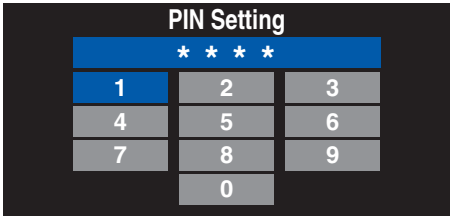
The setting menu screen shows a menu for accessing the screens for the following functions.

- Changing the PIN
- Selecting the display units
- Selecting the display language
- Displaying the time since the last maintenance

- Resetting the settings



Changing the PIN (“PIN Settings”)
The PIN can be changed to any 4-digit number.

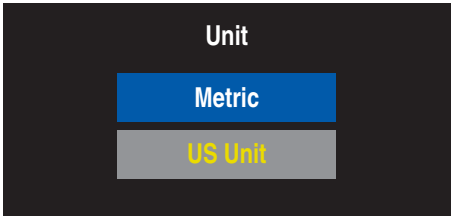


To change the PIN:

(1) Input the current PIN, and then push the “OK” button of the touchpad control.
(2) Input the new PIN, and then push the “OK” button of the touchpad control.

Selecting the display units (“Unit”)
The following display units can be selected for the display units of the multifunction information center.

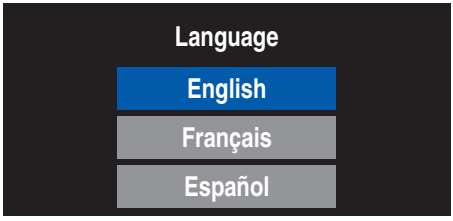
- “US Unit”: Distances are shown in miles, speeds are shown in MPH, and fuel amounts are shown in gallons.
- “Metric”: Distances are shown in kilometers, speeds are shown in km/h, and fuel amounts are shown in liters.



To select the display units:
Select “US Unit” or “Metric”, and then push the “BACK” button of the touchpad control.

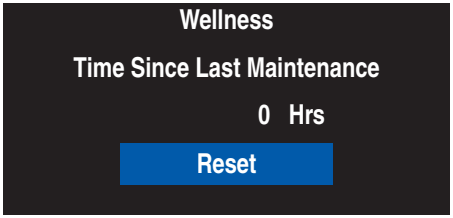
Selecting the display language (“Language”)
The display language for the multifunction information center can be selected from the following languages.

- English
- French
- Spanish



To select the display language:
Select the desired language, and then push the “OK” button of the touchpad control.

Displaying the time since the last maintenance (“Wellness”)
The total number of hours that the engine has been running since the last watercraft maintenance can be displayed.



To reset the number of hours of operation:
Select “Reset”.

Resetting the settings (“Reset”)
The settings can be reset to their factory default settings. The items that are reset and the default settings are as follows.

- Display units: US Unit
- Language: English
- Trip time: 0.0
- Distance traveled: 0.0
- Average fuel consumption per gallon or liter: 0.0
- Total fuel used: 0.0



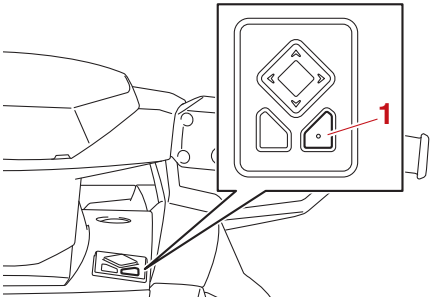
To reset the settings:
Select “Reset”.

EJU45190
Engine lock screen “🔒/🔓”
The engine lock screen shows the setting screen for the Yamaha Security System in the center display. (See page 31 for Yamaha Security System setting procedures.)

EJU46400
Warning function
The multifunction information center can indicate the following warnings.

- Fuel level warning
- Battery voltage warning
- Check engine warning
- Engine overheat warning
- Oil pressure warning
- Other warnings (communication errors, exceeding the maintenance intervals, and so on)

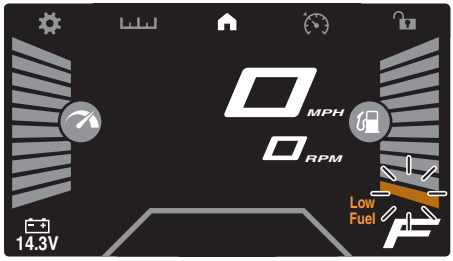
To stop the buzzer when a malfunction is activated, correct the cause of the problem and start the engine again, or push the “OK” button of the touchpad control.



1 “OK” button

Fuel level warning
If the amount of remaining fuel is low, the lowest fuel level segment blinks orange, “Low

Fuel" is displayed on the display, and the buzzer sounds intermittently.



If the fuel level warning is activated, refill the fuel tank as soon as possible. (See page 68 for information on filling the fuel tank.)

Battery voltage warning

If the battery voltage is less than 12 volts or more than 18 volts when the engine is not running, the voltage display of the voltmeter blinks.



If the battery voltage warning is activated, have the watercraft serviced by a Yamaha dealer as soon as possible.

Check engine warning ""

If a sensor malfunction or a short circuit is detected, "" is shown in the warning bar, and the buzzer sounds intermittently.



If the check engine warning is activated, immediately reduce the engine speed, return to shore, and have a Yamaha dealer check the engine.

TIP:

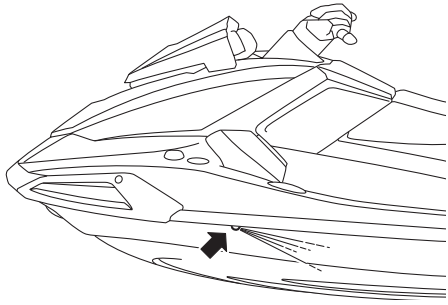
Push the "OK" button of the touchpad control to display a description of the warning in the center display.

Engine overheat warning ""

If the engine temperature rises significantly, "" and "" are shown in the warning bar, and the buzzer sounds continuously.



If the engine overheat warning is activated, immediately reduce the engine speed, return to shore, and then make sure that water is being discharged from the port (left) cooling water pilot outlet while the engine is running. If there is no discharge of water, stop the engine, and then check the jet intake for clogging. (See page 113 for information on the jet intake.) ***NOTICE:*** **If you cannot locate and correct the cause of the overheating, consult a Yamaha dealer. Continuing to operate at higher speeds could result in severe engine damage.** [ECJ00042]



TIP:
- While the engine overheat warning is activated, the maximum engine speed is limited.
- Push the "OK" button of the touchpad control to display a description of the warning in the center display.

**Oil pressure warning "" **
If the oil pressure drops significantly, "" and "" are shown in the warning bar, and the buzzer sounds intermittently.



If the oil pressure warning is activated, immediately reduce the engine speed, return to shore, and then check the engine oil level. (See page 70 for information on checking the engine oil level.) If the oil level is sufficient, have a Yamaha dealer check the watercraft.

TIP:
- While the oil pressure warning is activated, the maximum engine speed is limited.
- Push the "OK" button of the touchpad control to display a description of the warning in the center display.

**Other warnings (communication errors, exceeding the maintenance intervals, and so on) "" **
If any other malfunction is detected or if the engine has been operated for more than 50 hours since the last maintenance, the warning bar is shown instead of the tachometer value display, "" is shown, and the buzzer sounds intermittently.



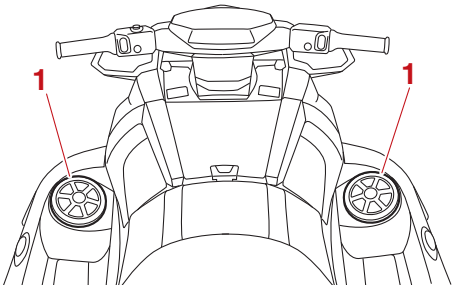
If a warning is activated, have the watercraft serviced by a Yamaha dealer as soon as possible.

TIP:
Push the "OK" button of the touchpad control to display a description of the warning in the center display.

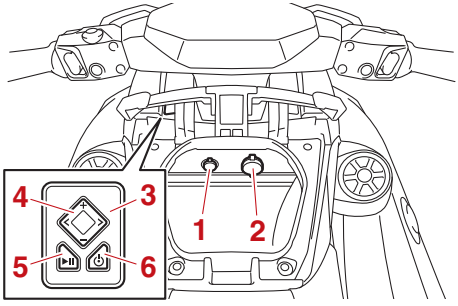
EJU46300

Audio system (equipped models)

This model is equipped with an audio system that can be connected via Bluetooth.



1 Speaker



1 12V DC outlet
2 USB charger
3 Audio control
4 Cursor button
5 Play/Pause button
6 Power button

EJU46312

Audio control

This model is equipped with an audio control to operate the audio system.

Power button

Press this button to turn the audio system on.

Play/Pause button

Press this button to play or pause.

Cursor button "</>"

Press these buttons to skip to the previous or next track.

Cursor button "+/−"

Press these buttons to adjust the volume.

To connect an external device:

(1) Turn on the Bluetooth function of the external device, and then search for this audio system.
(2) Turn the audio system on by pushing the power button on the audio control.
(3) Select this audio system to connect to it.

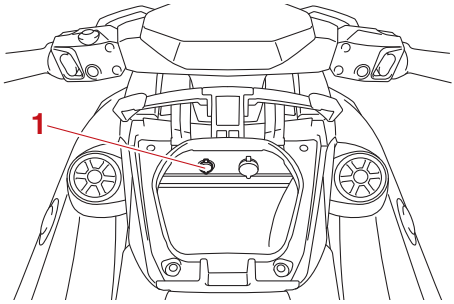
To disconnect an external device:

Turn the Bluetooth function of the external device off.

EJU46320

Accessory outlet

There is a 12 V DC outlet located inside the glove compartment. ***NOTICE:*** **Do not use an automotive cigarette lighter or other accessories that get hot because the outlet can be damaged.** [ECJ02880]

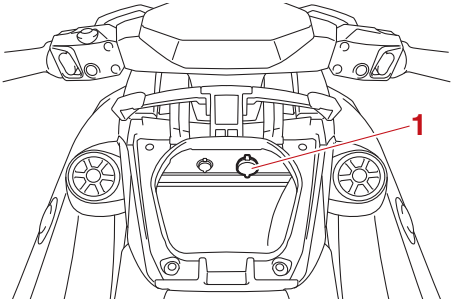


1 12V DC outlet

EJU46330

USB charger

There is a USB charger located inside the glove compartment. The USB charger can be used to charge external devices.



1 USB charger

EJU40335

Equipment

EJU42203

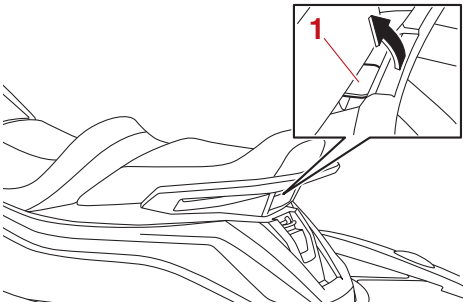
Seats

The front and rear seats are removable.

Remove the seats to access the engine compartment and removable watertight storage compartment.

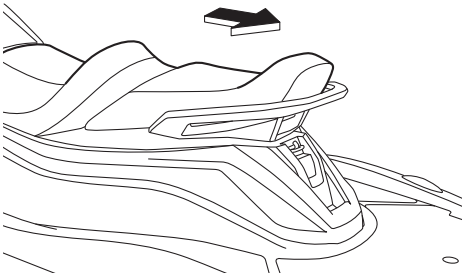
To remove the rear seat:

(1) Pull the rear seat latch up, and then lift up the rear of the seat.



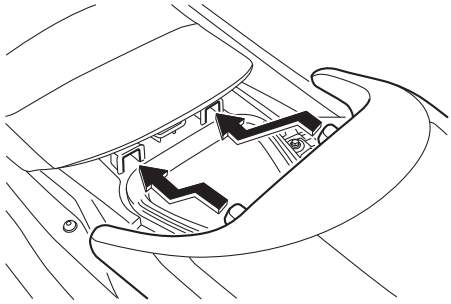
1 Seat latch

(2) Pull the seat rearward and remove it.

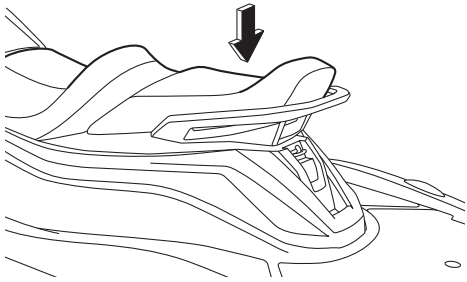


To install the rear seat:

(1) Insert the projections on the front of the seat into the stays on the deck.



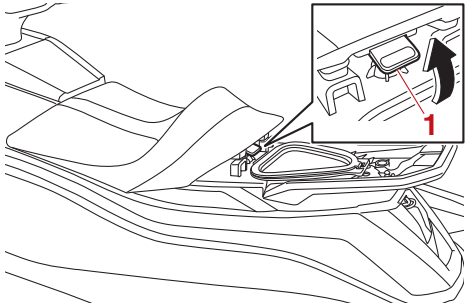
(2) Push the rear of the seat down to securely lock it in place.



To remove the front seat:

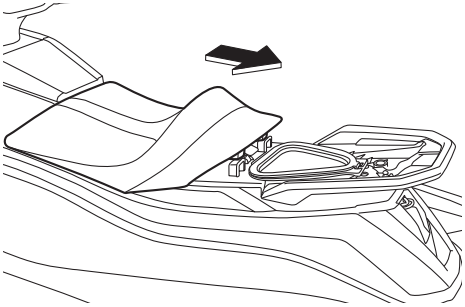
(1) Remove the rear seat.

(2) Pull the front seat latch up, and then lift up the rear of the seat.



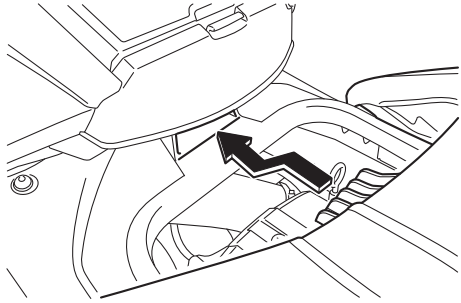
1 Seat latch

(3) Pull the seat rearward and remove it.

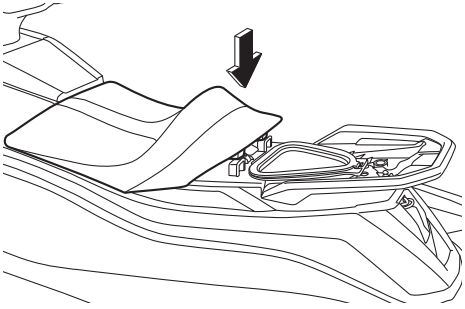


To install the front seat:

(1) Insert the projection on the front of the seat into the stay on the deck.



(2) Push the rear of the seat down to securely lock it in place.

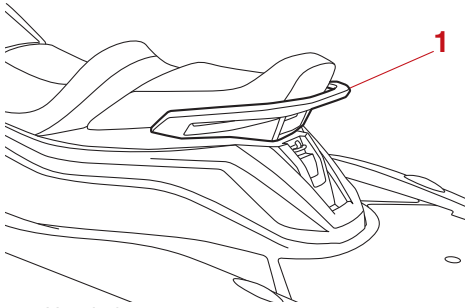


(3) Securely install the rear seat in its original position.

EJU31364

Handgrip

The handgrip is used when boarding the watercraft from the water and when the spotter is facing rearward. **WARNING! Do not use the handgrip to lift the watercraft. The handgrip is not designed to support the watercraft's weight. If the handgrip breaks, the watercraft could fall, which could result in severe injury.** [EWJ00022]

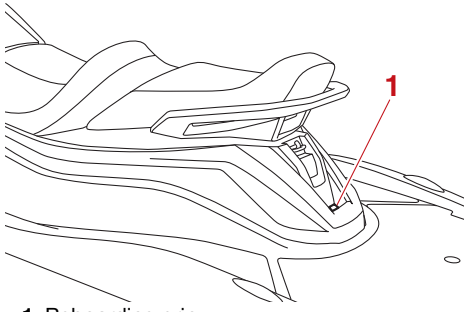


1 Handgrip

EJU37382

Reboarding grip

The reboarding grip is used when boarding the watercraft from the water.



1 Reboarding grip

EJU34866

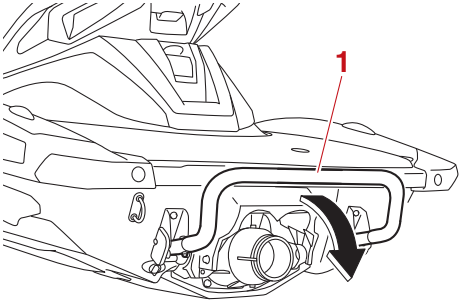
Reboarding step (VX / VX DELUXE / VX CRUISER / VX LIMITED)

The reboarding step is used to assist in reboarding the watercraft from the water.

When boarding the watercraft, push the reboarding step down until it stops. The step

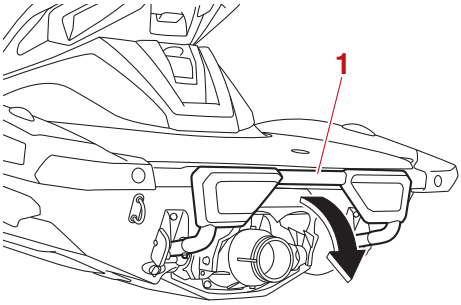
returns automatically to its original position when released. **WARNING! Do not use the reboarding step to lift the watercraft. The reboarding step is not designed to support the watercraft's weight. If the reboarding step breaks, the watercraft could fall, which could result in severe injury.** [EWJ01212]

VX / VX DELUXE

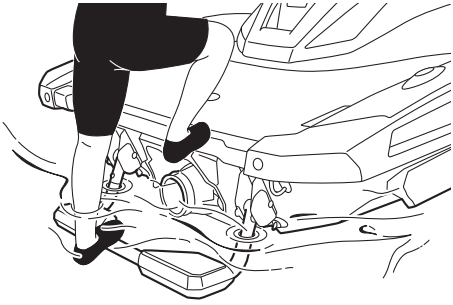


1 Reboarding step

VX CRUISER / VX LIMITED



1 Reboarding step



ECJ00743

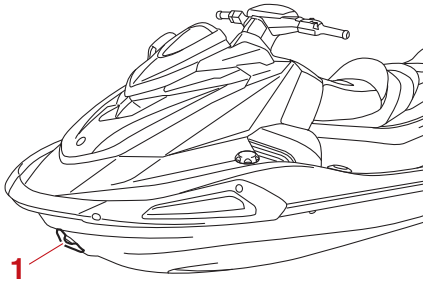
NOTICE

Use the reboarding step only to board the watercraft in the water. Do not use the reboarding step for any other purpose. The watercraft can be damaged.

EJU34873

Bow eye

The bow eye is used to attach a rope to the watercraft when transporting, mooring, or towing it in an emergency. (See page 115 for information on towing the watercraft.)

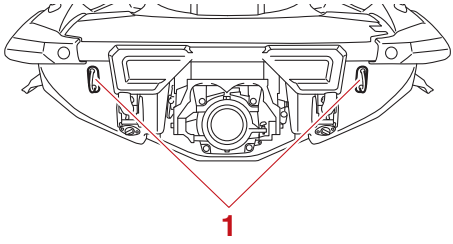


1 Bow eye

EJU34882

Stern eyes

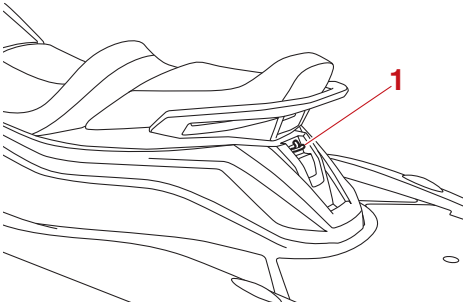
The stern eyes are used to attach a rope to the watercraft when transporting or mooring it.



1 Stern eye

EJU40423
Cleat

The cleat is used to attach a ski rope to the watercraft when pulling a wakeboarder or water-skier. **WARNING! Do not use the cleat to lift the watercraft. The cleat is not designed to support the watercraft's weight. If the cleat breaks, the watercraft could fall, which could result in severe injury.** [EWJ01511]

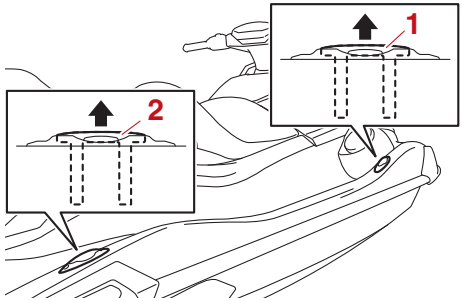


1 Cleat

EJU34894
Pull-up cleats (VX CRUISER / VX LIMITED)

The pull-up cleats are used to attach a rope to the watercraft when mooring it.

To use a pull-up cleat, pull it up. The pull-up cleat returns automatically to its original position when released. **WARNING! Do not use the pull-up cleats to lift the watercraft. The pull-up cleats are not designed to support the watercraft's weight. If the pull-up cleats break, the watercraft could fall, which could result in severe injury.** [EWJ00822]



1 Pull-up cleat (VX CRUISER / VX LIMITED)
2 Pull-up cleat (VX LIMITED)

EJU31685
Storage compartments

This watercraft is equipped with the following storage compartments.

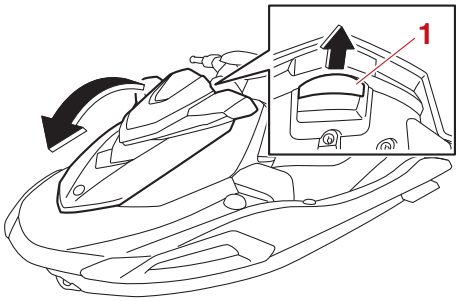
The storage compartments are not designed to be waterproof. If you carry objects that must be kept dry, put them in a waterproof bag.

Make sure that the storage compartments are closed securely before operating the watercraft.

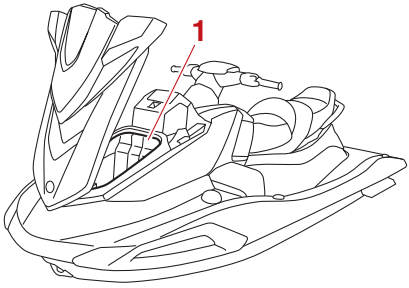
EJU45250
Bow storage compartment

The bow storage compartment is located under the hood.

To open the bow storage compartment:
Pull the hood latch rearward, and then lift up the rear of the hood.



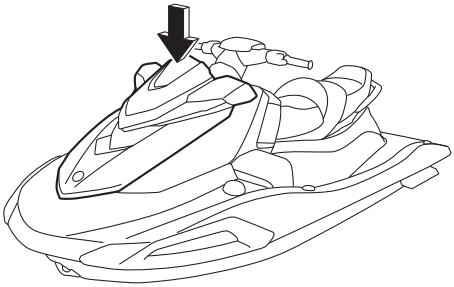
1 Hood latch



1 Bow storage compartment

Bow storage compartment:
Capacity:
92.0 L (24.3 US gal, 20.2 Imp.gal)
Load limit:
5.0 kg (11 lb)

To close the bow storage compartment:
Push the rear of the hood down to securely lock it in place.



EJU46211

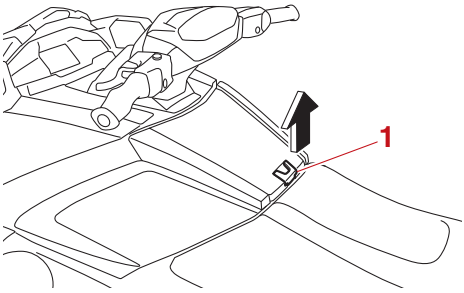
Glove compartment

The glove compartment is located in front of the seat.

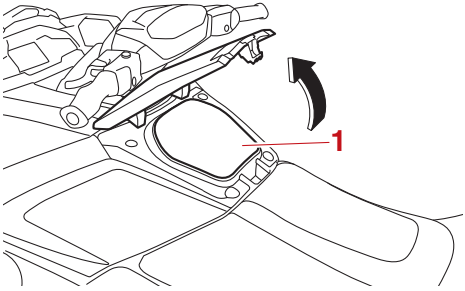
TIP:

- Make sure the seal of lid is intact, clear and properly positioned before using.
- Make sure the seals around the USB charger and 12V DC outlet are intact and properly positioned before using.
- Completely dry inside of the glove compartment and its contents before and after using.
- Make sure nothing is pinches between the glove compartment and the lid when closing the glove compartment.
- When not in use, the rubber caps for the USB charger and 12V DC outlet should be installed to cover the connectors.

To open the glove compartment:
Pull the glove compartment latch up, and then lift up the lid.



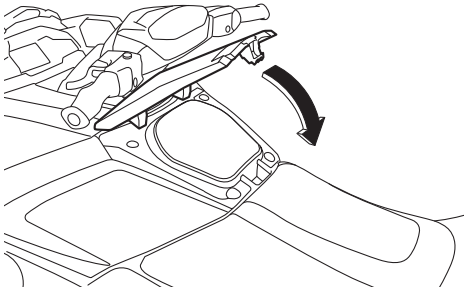
1 Glove compartment latch



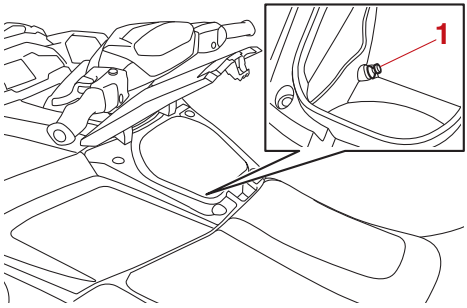
1 Glove compartment

Glove compartment:
Capacity:
16.5 L (4.4 US gal, 3.6 Imp.gal)
Load limit:
1.5 kg (3 lb)

To close the glove compartment:
Push the lid down to securely lock it in place.



To drain water from the glove compartment:
(1) Remove the drain plug on the bottom of the glove compartment to drain the water.

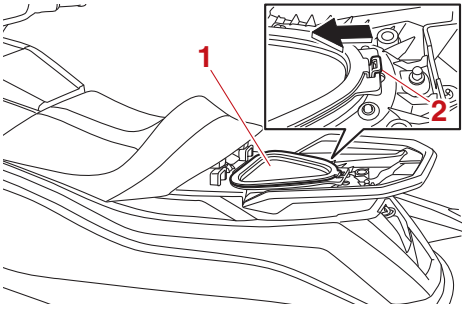


1 Drain plug

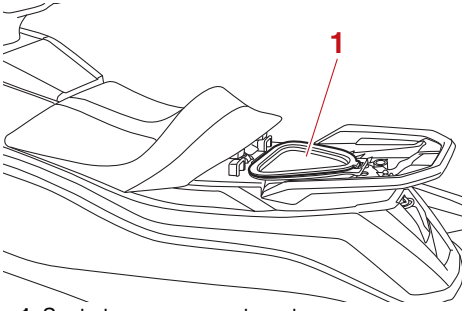
(2) Securely install the drain plug in it original position.

EJU46011
Seat storage compartment
The seat storage compartment is located under the rear seat.
The storage compartment is removable.
To open the seat storage compartment:
(1) Remove the rear seat. (See page 60 for seat removal and installation procedures.)

(2) Push the latch forward, and then lift up the lid and remove it.



1 Lid
2 Latch

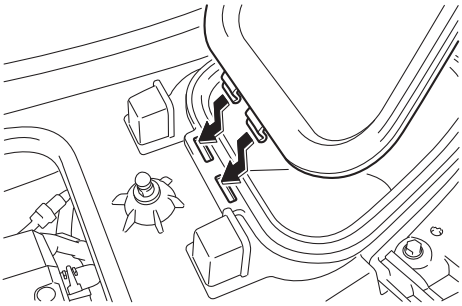


1 Seat storage compartment

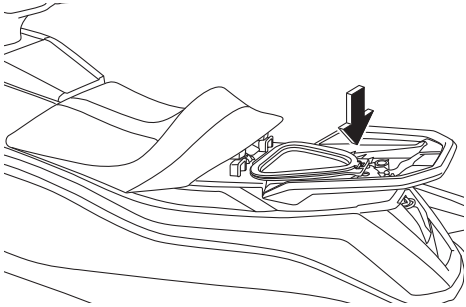
Seat storage compartment:
Capacity:
5.4 L (1.4 US gal, 1.2 Imp.gal)
Load limit:
3.0 kg (7 lb)

To close the seat storage compartment:

(1) Insert the projections on the lid into the slots on the seat storage compartment.



(2) Push the rear of the lid down.



(3) Securely install the rear seat in its original position.

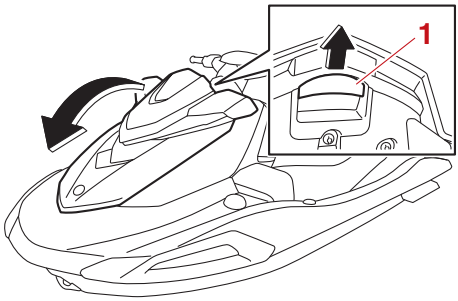
EJU46030

Fire extinguisher holder and cover

The fire extinguisher holder and cover are located in the bow storage compartment.

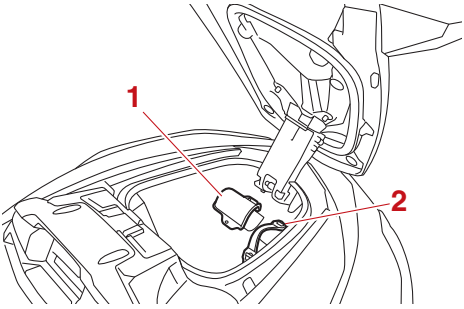
To use the fire extinguisher holder and cover:

(1) Pull the hood latch rearward, and then lift up the rear of the hood.



1 Hood latch

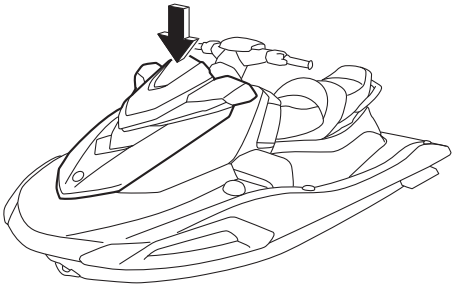
(2) Unhook the band and remove the fire extinguisher from the fire extinguisher cover.



1 Fire extinguisher holder and cover
2 Band

(3) Place the fire extinguisher in the fire extinguisher cover, and then securely fasten the fire extinguisher with the band.

(4) Push the rear of the hood down to securely lock it in place. Make sure that the hood is securely closed before using the watercraft.



EJU31823

Fuel requirements

EJU45301

Fuel

EWJ00283

WARNING

- **Gasoline and gasoline vapors are extremely flammable. To avoid fires and explosions and to reduce the risk of injury when refueling, follow these instructions.**
- **Gasoline is poisonous and can cause injury or death. Handle gasoline with care. Never siphon gasoline by mouth. If you should swallow some gasoline, inhale a lot of gasoline vapor, or get some gasoline in your eyes, see your doctor immediately. If gasoline spills on your skin, wash with soap and water. If gasoline spills on your clothing, change your clothes.**

ECJ00322

NOTICE

- **Do not use leaded gasoline. Leaded gasoline can seriously damage the engine.**
- **Avoid getting water and contaminants in the fuel tank. Contaminated fuel can cause poor performance and engine damage. Use only fresh gasoline that has been stored in clean containers.**

Recommended fuel:
Regular unleaded gasoline with a minimum octane rating of
86
(Pump octane number) = (R + M)/2
90 (Research octane number)

Gasohol

There are two types of gasohol: gasohol containing ethanol and gasohol containing methanol.

Gasohol containing ethanol can be used if the ethanol content does not exceed 10% and the fuel meets the minimum octane ratings. E-85 is a fuel blend containing 85% ethanol and therefore must not be used in this watercraft. All ethanol blends containing more than 10% ethanol can cause fuel system damage or engine performance problems.

Yamaha does not recommend gasohol containing methanol because it can cause fuel system damage and engine performance problems.

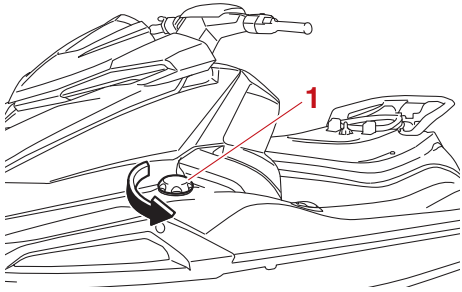
To fill the fuel tank:

(1) Before refueling, stop the engine. Do not stand or sit on the watercraft. Never refuel while smoking, or while in the vicinity of sparks, open flames, or other sources of ignition.

(2) Place the watercraft in a well-ventilated area and in a horizontal position.

(3) Remove the seats, and then check the fuel level. (See page 60 for seat removal and installation procedures.)

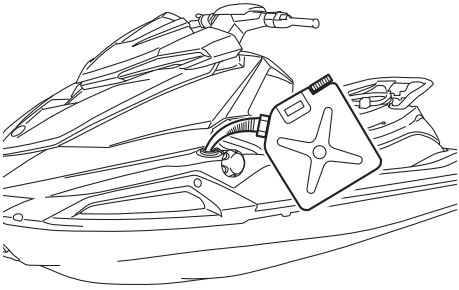
(4) Loosen the fuel filler cap and remove it.



1 Fuel filler cap

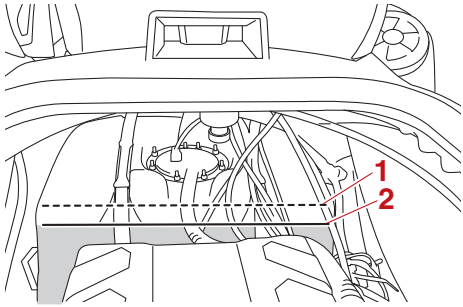
(5) Slowly add fuel to the fuel tank.

Fuel tank capacity:
70 L (18.5 US gal, 15.4 Imp.gal)

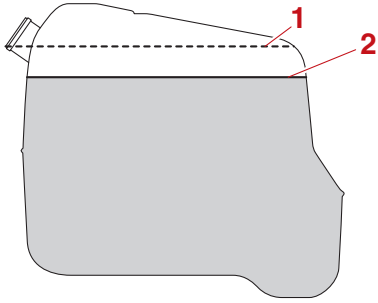


(6) Stop filling when the fuel level reaches approximately 50 mm (2 in) from the top of the fuel tank. Do not overfill the fuel tank. Because fuel expands when it heats up, heat from the engine or the sun can cause fuel to spill out of the fuel tank.

Do not leave the watercraft with a full tank in direct sunlight.



1 Top of the fuel tank
2 Approximately 50 mm (2 in) from top of the fuel tank



1 Top of the fuel tank
2 Approximately 50 mm (2 in) from top of the fuel tank

(7) Wipe up any spilled fuel immediately with a dry cloth.
(8) Securely install the fuel filler cap by tightening it until it clicks.
(9) Securely install the seats in their original positions.

EJU40291
Engine oil requirements

EJU43951
Engine oil

ECJ00282
NOTICE

Use only 4-stroke engine oil. Usage of 2-stroke engine oil could result in severe engine damage.

Recommended engine oil:
YAMALUBE 4W or 4-stroke motor oil
Recommended engine oil type:
SAE 10W-30, 10W-40, 20W-40, 20W-50
Recommended engine oil grade:
API SG, SH, SJ, SL

Why Yamalube

YAMALUBE oil is a Genuine YAMAHA Part born of the engineers' passion and belief that engine oil is an important liquid engine component. We form teams of specialists in the fields of mechanical engineering, chemistry, electronics and track testing, and have them develop the engine together with the oil it will use. Yamalube oils take full advantage of the base oil's qualities and blend in the ideal balance of additives to make sure the final oil clears our performance standards. Thus, Yamalube mineral, semisynthetic and synthetic oils have their own distinct characters and value. Yamaha's experience gained over many years of research and development into oil since the 1960's helps make Yamalube the best choice for your Yamaha engine.

YAMALUBE®

Checking the engine oil level

EWJ00341
WARNING

Engine oil is extremely hot immediately after the engine is turned off. Coming in contact with or getting any engine oil on your clothes could result in burns.

ECJ00392
NOTICE

- **Do not run the engine with too much or not enough oil in the oil tank, otherwise the engine could be damaged.**
- **Make sure that debris and water do not enter the oil tank filler hole. Debris and water in the engine oil can cause serious engine damage.**

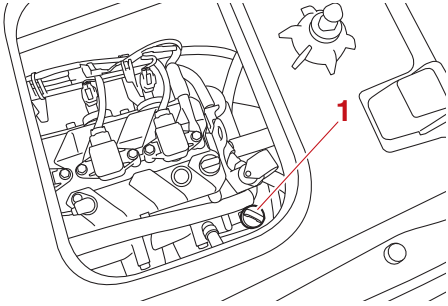
TIP:

- When checking the engine oil level on land, the engine must be running while water is being supplied to the cooling water passages. (See "Flushing the cooling water passages" on page 98 for information on supplying water.)
- When checking the engine oil level on water, moor the watercraft so that it will not drift away.

To check the engine oil level:

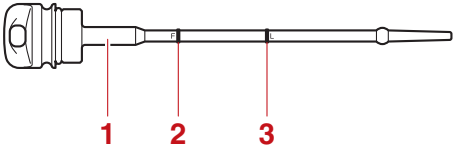
(1) With the engine stopped, place the watercraft in a precisely level position on land or launch the watercraft.
(2) Look in all directions, and then start the engine. (See page 85 for information on starting the engine.)
(3) Run the engine at idling speed for 6 minutes or more. Run the engine an additional 5 minutes if the ambient temperature is 20 °C (68 °F) or less.
(4) Stop the engine.
(5) Remove the seats. (See page 60 for seat removal and installation procedures.)

(6) Loosen the oil tank filler cap and remove it, and then wipe the attached dipstick clean.



1 Oil tank filler cap/Dipstick

(7) Screw the oil tank filler cap into the filler hole until it stops. Remove the oil tank filler cap again and make sure that the engine oil level is between the minimum and maximum level marks.



1 Dipstick
2 Maximum level mark
3 Minimum level mark

(8) If the engine oil level is significantly above the maximum level mark, consult a Yamaha dealer. If the engine oil level is below the minimum level mark, slowly add engine oil.
(9) Repeat steps 6–8 until the engine oil is at the proper level.
(10) Securely install the oil tank filler cap and turn it until it stops.
(11) Securely install the seats in their original positions.

EJU40022

Draining the bilge water

ECJ01302

NOTICE

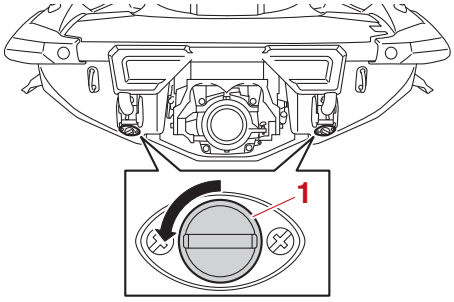
Do not run the engine at full throttle when bilge water remains in the engine compartment. The bilge water can splash into the engine, which can result in severe damage.

EJU44260

Draining the bilge water on land

To drain the bilge water on land:

(1) Loosen the stern drain plugs and remove them.

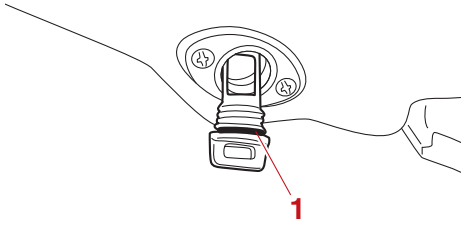


1 Stern drain plug

(2) Raise the bow of the watercraft, such as by placing the watercraft on a slope, to drain the bilge water from the engine compartment.

(3) After the bilge water has drained from the stern drain plug holes, wipe up any remaining moisture in the engine compartment with a dry cloth.

(4) Check that the stern drain plugs and O-rings on the plugs are not damaged and that there is no foreign material on the threads or O-rings on the plugs. ***NOTICE:*** **Before installing the stern drain plugs, clean the drain plug threads and the O-rings on the plugs to remove any foreign materials, such as dirt or sand. Otherwise, the stern drain plugs could be damaged, allowing water to enter the engine compartment. Check the O-rings on the stern drain plugs and make sure that the plugs are tightened securely before launching the watercraft. Otherwise, water may flood the engine compartment and cause the watercraft to submerge.** [ECJ00363]



1 O-ring

(5) Securely install the stern drain plugs by tightening them until they stop.

EJU40535

Draining the bilge water on water

A small quantity of bilge water will remain in the engine compartment even after the bilge water is drained on water. To completely drain the bilge water, remove the watercraft from the water and drain the bilge water on land.

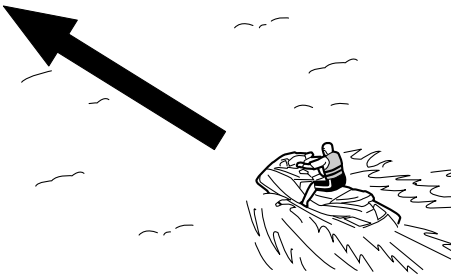
Jet vacuum bilge draining system

While the watercraft is operating, bilge water in the engine compartment is drawn in by the vacuum that is generated in the jet pump and discharged from the watercraft through the jet thrust nozzle.

To drain the bilge water on water:

Operate the watercraft as straight as possible and above planing speed for at least 2 minutes. ***NOTICE:*** **Do not run the engine at full throttle for at least 1 minute after the engine has been restarted. Bilge water in the**

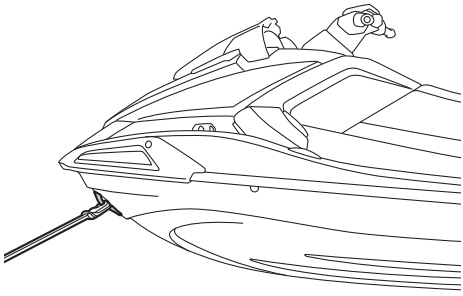
engine compartment can splash into the engine, which can result in severe damage. [ECJ00554]

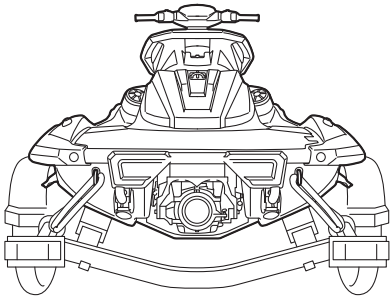


EJU42432

Transporting on a trailer

When transporting the watercraft on a trailer, secure the tie downs to the trailer through the bow eye and stern eyes. ***NOTICE:*** **Do not attach ropes or tie downs to any part of the watercraft other than the bow eye and stern eyes to secure the watercraft to the trailer. Otherwise, the watercraft may be damaged. Wrap the ropes or tie downs with towels or rags where they touch the body of the watercraft to avoid scratches or damage.** [ECJ02150]





EJU32786

Engine break-in

ECJ00432

NOTICE

Failure to perform the engine break-in could result in reduced engine life or even severe engine damage.

The engine break-in is essential to allow the various components of the engine to wear and polish themselves to the correct operating clearances. This ensures proper performance and promotes longer component life.

To perform the engine break-in:

(1) Check the engine oil level. (See page 70 for information on checking the engine oil level.)
(2) Launch the watercraft and start the engine. (See page 85 for information on starting the engine.)
(3) For the first 5 minutes, operate with the engine at idling speed.
(4) For the next 30 minutes, operate with the engine speed below 5000 r/min.
(5) For the next 1 hour, operate with the engine speed below 6500 r/min.

After the engine break-in is complete, the watercraft can be operated normally.

Pre-operation checks

EJU31982

EWJ00412

WARNING

Failure to inspect or maintain the watercraft properly increases the possibility of an accident or damage to the watercraft. Do not operate the watercraft if you find any problem. If a problem cannot be corrected by the procedures provided in this manual, have the watercraft inspected by a Yamaha dealer.

EJU41235

Pre-operation checklist

Before using this watercraft, be sure to perform the checks in the following checklist.

ITEM	ROUTINE	PAGE
PRE-LAUNCH CHECKS		
Engine compartment	Ventilate the engine compartment. Check inside the engine compartment for damage.	77
Fuel system	Check the fuel system for leakage. Check the fuel level in the fuel tank.	77
Water separator	Check the water separator for water.	77
Engine unit	Check the exterior of the engine unit for damage.	78
Engine oil level	Check the engine oil level.	78
Bilge water	Check the engine compartment for bilge water.	78
Battery	Check the battery connections.	78
Steering system	Check the steering system for proper operation.	78
RiDE lever (VX / VX DELUXE / VX CRUISER / VX LIMITED)	Check the RiDE lever for proper operation.	79
Throttle lever	Check the throttle lever for proper operation.	79
Yamaha Security System (VX DELUXE / VX CRUISER / VX LIMITED)	Check the Yamaha Security System for proper operation.	79
Engine shut-off cord (lanyard)	Check the engine shut-off cord (lanyard) for damage.	79
Switches	VX-C: Check the start switch, engine stop switch, and engine shut-off switch for proper operation. VX / VX DELUXE / VX CRUISER / VX LIMITED: Check the engine start/stop switch and engine shut-off switch for proper operation.	80
Storage compartments	Check the storage compartments for damage and water.	81
Fire extinguisher holder, cover, and band	Check the fire extinguisher holder, cover, and band for damage.	81
Fire extinguisher	Check the condition of the fire extinguisher.	81
Safety equipment	Check that safety equipment meeting the applicable regulations is on board.	81

ITEM	ROUTINE	PAGE
Hull and deck	Check the hull and deck for damage.	81
Jet intake	Check the jet intake for damage and clogging.	82
Jet thrust nozzle and reverse gate (VX / VX DELUXE / VX CRUISER / VX LIMITED)	Check the jet thrust nozzle and reverse gate for damage.	82
Stern drain plugs	Check the stern drain plugs for damage and foreign material and check that they are securely installed.	82
Hood	Check that the hood is securely closed.	82
Front and rear seats	Check that the seats are securely installed.	60
POST-LAUNCH CHECKS		
Cooling water pilot outlet	Check that water is discharged from the cooling water pilot outlet while the engine is running.	83
Multifunction information center	Check the multifunction information center for proper operation.	83
Shift system (VX / VX DELUXE / VX CRUISER / VX LIMITED)	Check the shift system for proper operation.	83
Engine idling speed	Check the engine idling speed.	83

TIP:
To ensure safety and reliability, pre-operation checks should be made each time the watercraft is used.

EJU32282
Pre-operation check points

EJU40099
Pre-launch checks

Perform the pre-launch checks in the pre-operation checklist while the watercraft is on land.

To perform the pre-launch checks:

(1) Remove the seats and seat storage compartment. (See page 60 for seat removal and installation procedures and page 65 for information on the seat storage compartment.)
(2) Perform the checks and make sure that there are no malfunctioning items or other problems.
(3) After completing these checks, securely install the seat storage compartment and seats in their original positions.

EJU32334
Engine compartment check

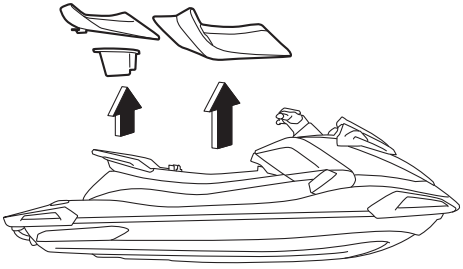
EWJ00462

WARNING

Failure to ventilate the engine compartment could result in a fire or explosion. Do not start the engine if there is a fuel leak.

Ventilate the engine compartment. Leave the engine compartment open for a few minutes to allow any fuel vapors to escape.

Make sure that there is no damage inside the engine compartment.



EJU34215
Fuel system checks

EWJ00382

WARNING

Leaking fuel can result in fire or explosion.

- **Check for fuel leakage regularly.**
- **If any fuel leakage is found, the fuel system must be repaired by a qualified mechanic. Improper repairs can make the watercraft unsafe to operate.**

Make sure that there is no damage, leakage, or other problem in the fuel system.

Check:

- Fuel filler cap and seal for damage
- Fuel tank for damage and leakage
- Fuel hoses and joints for damage and leakage
- Fuel tank breather hose for damage and leakage

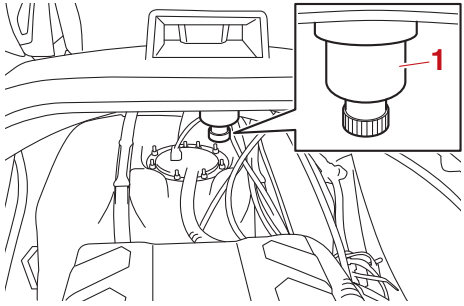
EJU36875
Fuel level check

Check the fuel level in the fuel tank.

Add fuel if necessary. (See page 68 for information on filling the fuel tank.)

EJU32424
Water separator check

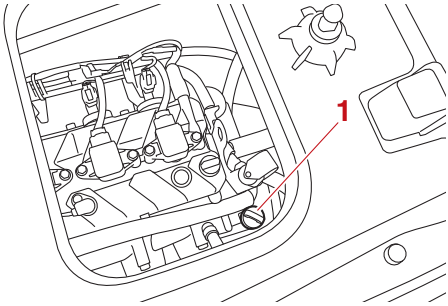
Make sure that no water has collected in the water separator. If water has collected in the water separator, drain it. (See page 35 for information on draining the water separator.)



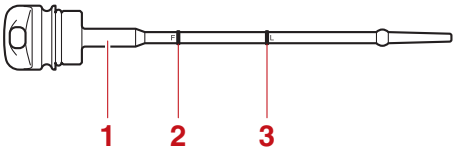
1 Water separator

EJU40182
Engine unit check
Check the exterior of the engine unit for damage or other problem.

EJU41561
Engine oil level check
Make sure that the engine oil level is between the minimum and maximum level marks on the dipstick attached to the oil tank filler cap. (See page 70 for information on checking the engine oil level.)



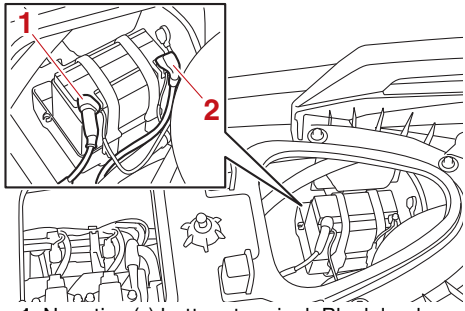
1 Oil tank filler cap/Dipstick



1 Dipstick
2 Maximum level mark
3 Minimum level mark

EJU32456
Bilge water check
Make sure that no bilge water has collected in the engine compartment. If bilge water has collected in the engine compartment, drain it. (See page 72 for information on draining the bilge water.)

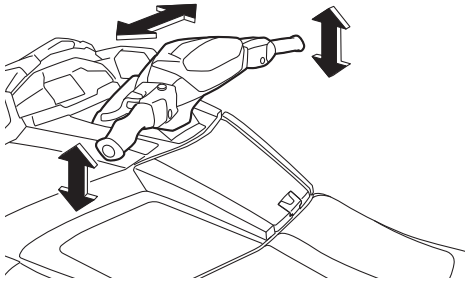
EJU32486
Battery checks
Make sure that the battery terminals are not damaged and that the battery leads are connected properly. **WARNING! Never operate the watercraft if the battery does not have sufficient power to start the engine or if it shows any other signs of decreased power. Loss of battery power may leave you stranded.** [EWJ01241]



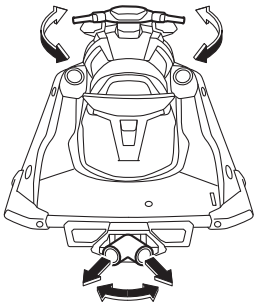
1 Negative (–) battery terminal: Black lead
2 Positive (+) battery terminal: Red lead

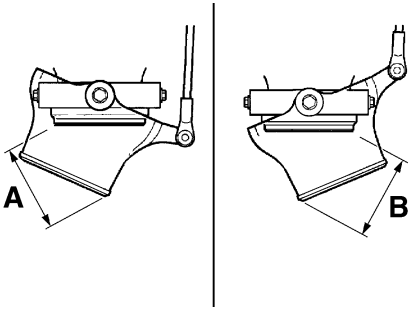
Make sure that the battery is securely held in place.

EJU32614
Steering system checks
Turn the handlebars to the right and left several times to make sure that operation is smooth and unrestricted throughout the whole range, and that the free play is not excessive.



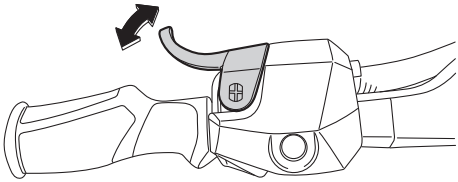
Turn the handlebars as far as possible to the right and left to make sure that the jet thrust nozzle moves as the handlebars are turned, and that there is no difference between the right and left fully turned positions of the jet thrust nozzle.



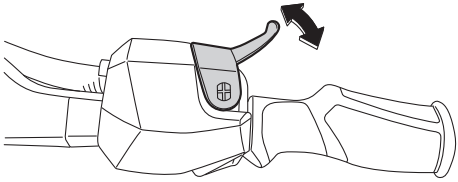


Difference between fully turned positions of jet thrust nozzle (distances A and B):
Maximum 5 mm (0.20 in)

EJU43213
RiDE lever checks (VX / VX DELUXE / VX CRUISER / VX LIMITED)
Operate the RiDE lever several times to make sure that operation is smooth throughout the whole range. Also, make sure that the RiDE lever returns automatically to its fully closed position when released.



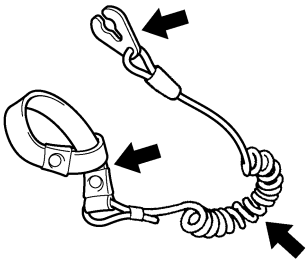
EJU42181
Throttle lever checks
Operate the throttle lever several times to make sure that operation is smooth throughout the whole range. Also, make sure that the throttle lever returns automatically to its fully closed (idle) position when released.



EJU45351
Yamaha Security System check (VX DELUXE / VX CRUISER / VX LIMITED)
Make sure that the Yamaha Security System operates properly. (See page 31 for Yamaha Security System setting procedures.)

EJU32664
Engine shut-off cord (lanyard) check
Make sure that the engine shut-off cord (lanyard) is not damaged. If the cord is damaged, replace it. **WARNING! Never try to repair the engine shut-off cord (lanyard) or tie it together. The engine shut-off cord (lanyard) may not pull free when the operator**

falls off, allowing the watercraft to continue to run and cause an accident. [EWJ01221]

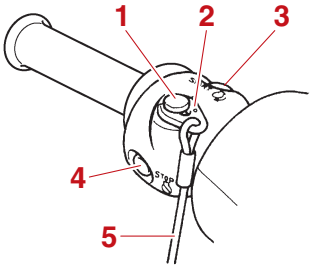


EJU46231
Switch checks
ECJ01311

NOTICE

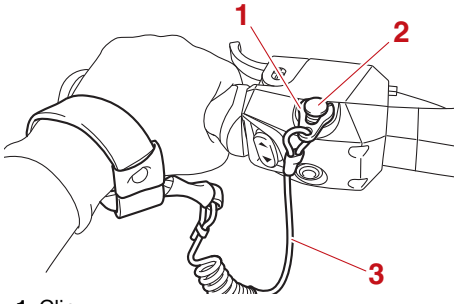
Do not run the engine over 4000 r/min on land. Also, do not run the engine for more than 15 seconds without supplying water, otherwise the engine could overheat.

VX-C:
Check the start switch, the engine stop switch, and the engine shut-off switch for proper operation. (See pages 32 to 33 for information on operating each switch.)

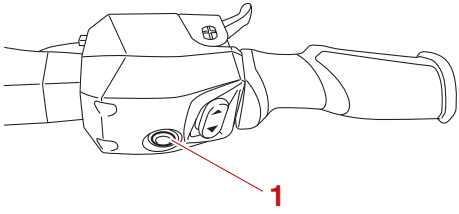


1 Engine shut-off switch
2 Clip
3 Start switch
4 Engine stop switch
5 Engine shut-off cord (lanyard)

VX / VX DELUXE / VX CRUISER / VX LIMITED:
Check the engine start/stop switch and the engine shut-off switch for proper operation. (See page 32 for information on operating each switch.)



1 Clip
2 Engine shut-off switch
3 Engine shut-off cord (lanyard)



1 Engine start/stop switch

To check the operation of the switches (VX-C):
(1) Push the start switch to make sure that the engine starts.
(2) As soon as the engine starts running, push the engine stop switch to make sure that the engine stops immediately.
(3) Restart the engine, and then pull the engine shut-off cord (lanyard) to remove the clip from the engine shut-off switch to make sure that the engine stops immediately.

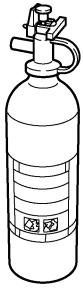
To check the operation of the switches (VX / VX DELUXE / VX CRUISER / VX LIMITED):

(1) VX DELUXE / VX CRUISER / VX LIMITED: If the lock mode is selected for the Yamaha Security System setting, select the unlock mode. (See page 31 for Yamaha Security System setting procedures.)
(2) Push the engine start/stop switch to make sure that the engine starts.
(3) As soon as the engine starts running, push the engine start/stop switch to make sure that the engine stops immediately.
(4) Restart the engine, and then pull the engine shut-off cord (lanyard) to remove the clip from the engine shut-off switch to make sure that the engine stops immediately.

EJU40102
Storage compartment checks
Make sure that the storage compartments are not damaged and that water has not collected in the compartments. (See page 63 for information on the storage compartments.)

EJU43800
Fire extinguisher holder, cover, and band checks
Make sure that the fire extinguisher holder, cover, and band are not damaged and that the fire extinguisher is securely held in place using the band. (See page 66 for information on the fire extinguisher holder, cover, and band.)

EJU32535
Fire extinguisher check
Check that there is a full fire extinguisher on board.



To check the fire extinguisher, see the instructions supplied by the fire extinguisher manufacturer. Always keep the fire extinguisher secured in the holder with its cover in place.
Always carry a fire extinguisher on board. A fire extinguisher is not standard equipment with this watercraft. If you do not have one, contact a Yamaha dealer or a fire extinguisher dealer to obtain one meeting the proper specifications.

Fire extinguisher:
  Classification:
    5-B (B-1)
  Capacity:
    2 lb or more

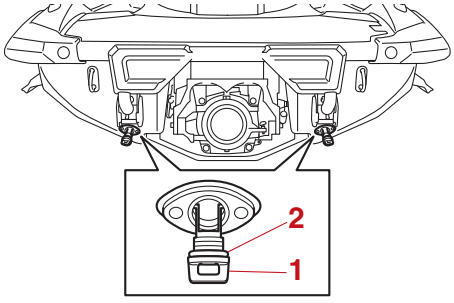
EJU40122
Safety equipment check
Check that safety equipment meeting the applicable regulations is on board.

EJU32353
Hull and deck check
Check the hull and deck for damage or other problem.

EJU32657
Jet intake checks
Make sure that the jet intake is not damaged or clogged with weeds or debris. If the jet intake is clogged, clean it. (See page 113 for information on the jet intake.)

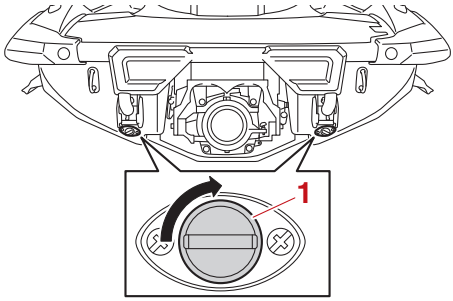
EJU43221
Jet thrust nozzle and reverse gate check (VX / VX DELUXE / VX CRUISER / VX LIMITED)
Check the jet thrust nozzle and reverse gate for damage or other problem.

EJU44250
Stern drain plug checks
Loosen the stern drain plugs and remove them, and then make sure that the plugs and O-rings on the plugs are not damaged and that there is no foreign material on the threads or O-rings on the plugs. ***NOTICE:*** **Before installing the stern drain plugs, clean the drain plug threads and the O-rings on the plugs to remove any foreign materials, such as dirt or sand. Otherwise, the stern drain plugs could be damaged, allowing water to enter the engine compartment. Check the O-rings on the stern drain plugs and make sure that the plugs are tightened securely before launching the watercraft. Otherwise, water may flood the engine compartment and cause the watercraft to submerge.** [ECJ00363]



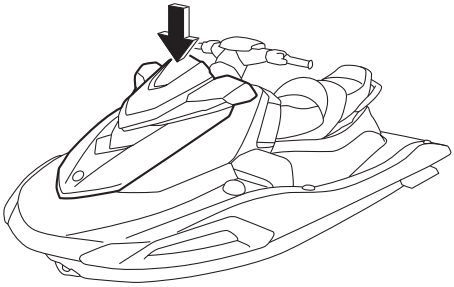
1 Stern drain plug
2 O-ring

Securely install the stern drain plugs by tightening them until they stop.



1 Stern drain plug

EJU41441
Hood check
Push down on the rear of the hood and make sure that it is securely closed.

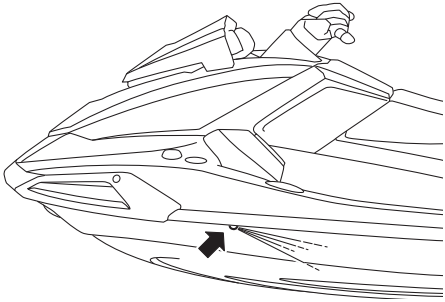


EJU40146
Post-launch checks
Perform the post-launch checks in the pre-operation checklist while the watercraft is in the water and the engine is running.

To perform the post-launch checks:

(1) Launch the watercraft. (See page 85 for information on launching the watercraft.)
(2) Perform the checks and make sure that there are no malfunctioning items or other problems.

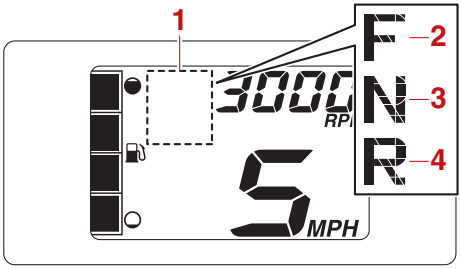
EJU40553
Cooling water pilot outlet check
Make sure that water is discharged from the cooling water pilot outlet while the engine is running. (See page 34 for information on the cooling water pilot outlet.)



EJU46240
Multifunction information center check
Make sure that the multifunction information center operates properly. (See page 45, 50 for information on proper operation of the multifunction information center.)

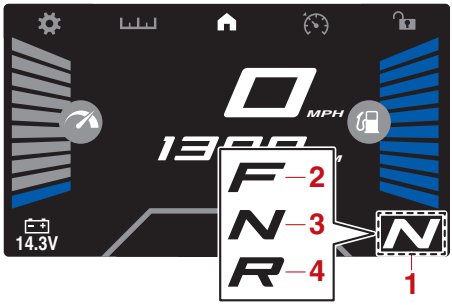
EJU43393
Shift system check (VX / VX DELUXE / VX CRUISER / VX LIMITED)
Operate the throttle lever and RiDE lever, and check that the watercraft moves or does not move according to the displayed shift indicator. (See page 36 for shift system operation procedures.) **WARNING! To avoid collisions, operate at safe speeds and keep a safe distance away from people, objects, and other watercraft.** [EWJ01860]

VX



1 Shift indicator
2 “F” (Forward position)
3 “N” (Neutral position)
4 “R” (Reverse position)

VX DELUXE / VX CRUISER / VX LIMITED



1 Shift indicator
2 “F” (Forward position)
3 “N” (Neutral position)
4 “R” (Reverse position)

EJU40172
Engine idling speed check
Start the engine and warm it up. Use the tachometer in the multifunction information center to make sure that the engine idling speed is not significantly above or below the specified range.

Engine idling speed:
1500 ±100 r/min

EJU32903

Operating your watercraft

EWJ00511

WARNING

Before operating your watercraft, become familiar with all of the controls. Consult a Yamaha dealer about any control or function that you do not fully understand. Failure to understand how the controls work could cause an accident or prevent you from avoiding an accident.

EJU32959

Getting to know your watercraft

Operating your watercraft requires skills acquired through practice over a period of time. Take the time to learn the basic techniques well before attempting more difficult maneuvers.

Operating your new watercraft can be a very enjoyable activity, providing you with hours of pleasure. However, it is essential to familiarize yourself with the operation of the watercraft to achieve the skill level necessary to enjoy riding safely.

Before operating this watercraft, read this owner's/operator's manual, the Riding Practice Guide, the Riding Instruction card, and all labels on the watercraft. Pay particular attention to the safety information beginning on page 11. Also, watch the WaveRunner Basic Orientation Video linked to the following QR code.

https://yamahawaverunners.com/orientation

A DVD is also available at your nearest dealer for your convenience.

These materials should give you an understanding of the watercraft and its operation.

Remember: This watercraft is designed to carry the operator and up to 2 passengers. Never exceed the maximum load limit or allow more than 3 persons (or 2 persons if a wakeboarder or water-skier is being pulled) to ride the watercraft at any time.

Maximum load:
240 kg (530 lb)
Load is the total weight of cargo, operator, and passengers.

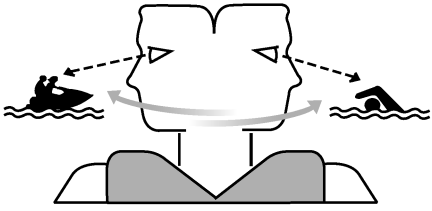
EJU32996

Learning to operate your watercraft

Before operating the watercraft, always perform the pre-operation checks listed on page 75. The short time spent checking the watercraft will reward you with added safety and reliability.

Check state and local laws before operating your watercraft.

Operate defensively at safe speeds and keep a safe distance away from people, objects, and other watercraft. Select a wide area to learn in, where there is good visibility and light boat traffic.



Use the buddy system—operate with someone nearby. Scan constantly for people, ob-

jects, and other watercraft. Be alert for conditions that limit your visibility or block your vision of others.
You should grip the handlebars firmly and keep both feet on the floor of the footwell. Do not attempt to ride with passengers until your operating skills are fully developed.

EJU40212
Riding position

Operator riding position

The operator should grip the handlebars firmly with both hands and sit astride the seat with both feet on the floor of the footwell.



Passenger riding position

The passenger(s) should hold on firmly, either to the person in front of them or to the handgrip provided, and sit astride the seat with their feet on the floor of the footwell. Never allow a passenger to ride in front of the operator. (See page 18 for information on the riding position when pulling a wakeboarder or water-skier.)



EJU32803
Launching the watercraft

When launching the watercraft, make sure that there are no obstacles around you.
If the watercraft is launched from a trailer, someone should make sure that waves do not push the watercraft into the trailer.

EJU46250
Starting the engine on water

EWJ01531
⚠ WARNING

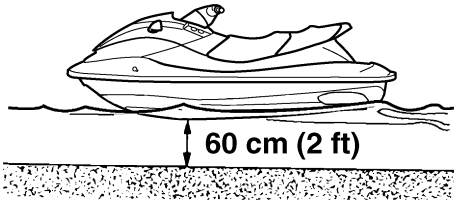
Do not apply throttle when anyone is at the rear of the watercraft. Turn the engine off or keep it at idle. Water and debris exiting the jet thrust nozzle can cause severe injury.

To start the engine:

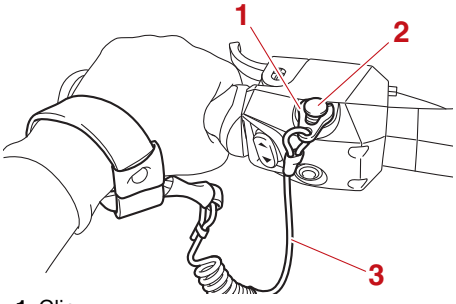
(1) VX DELUXE / VX CRUISER / VX LIMITED: If the lock mode is selected for the Yamaha Security System setting, select the unlock mode. (See page 31 for Yamaha Security System setting procedures.)

(2) Move the watercraft to an area that is free from weeds and debris, and has a water depth of at least 60 cm (2 ft) from the bottom of the watercraft. ***NOTICE:*** **Never run the engine in water that is less than 60 cm (2 ft) deep from the bottom of the watercraft, otherwise pebbles or sand could be sucked into**

the jet intake, causing impeller damage and engine overheating. [ECJ00473]

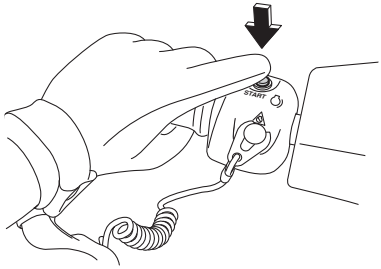


(3) Attach the engine shut-off cord (lanyard) to your left wrist, and then attach the clip to the engine shut-off switch. (See page 32 for information on operating the engine shut-off switch.) **WARNING! Check that the engine shut-off cord (lanyard) is attached correctly. If the engine shut-off cord (lanyard) is not attached correctly, it may not pull free when the operator falls off, allowing the watercraft to continue to run and cause an accident.** [EWJ00582]

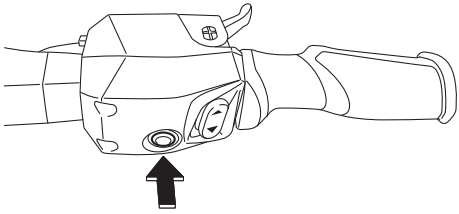


1 Clip
2 Engine shut-off switch
3 Engine shut-off cord (lanyard)

(4) VX-C: With the throttle lever released, push the start switch (green button) to start the engine. (See page 33 for information on operating the start switch.)



VX / VX DELUXE / VX CRUISER / VX LIMITED: With the throttle lever released, push the engine start/stop switch (red button) to start the engine. (See page 32 for information on operating the engine start/stop switch.)



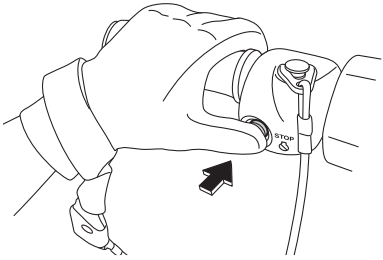
EJU46260

Stopping the engine

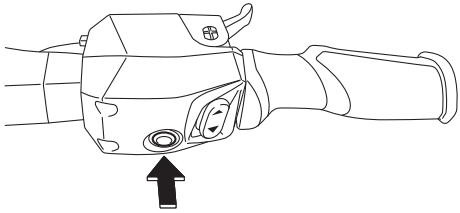
Release the throttle lever, and then push the engine stop switch (red button) (VX-C) or the engine start/stop switch (red button) (VX / VX DELUXE / VX CRUISER / VX LIMITED) to stop the engine. **WARNING! You need throttle to steer. Shutting the engine off can cause you to hit an obstacle you are**

attempting to avoid. A collision could result in severe injury or death. [EWJ00602]

VX-C



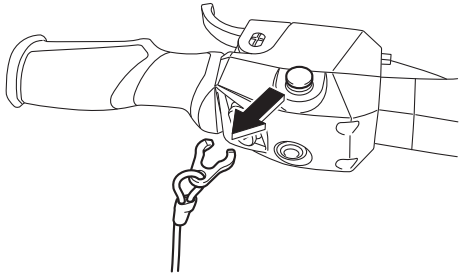
VX / VX DELUXE / VX CRUISER / VX LIMITED



EJU32873

Leaving the watercraft

If leaving the watercraft, remove the clip from the engine shut-off switch to prevent accidental starting or unauthorized operation by children or others.



EJU44991

Operating the watercraft

VX-C:

When the engine is running, the watercraft will move forward at trolling speed even if the throttle lever is in the fully closed (idle) position.

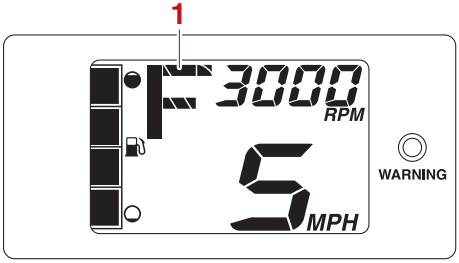


VX / VX DELUXE / VX CRUISER / VX LIMITED:

When the throttle lever is squeezed, the “F” (forward) shift indicator will be displayed and the watercraft will move forward. While the “F” (forward) shift indicator is displayed, the watercraft will move forward at trolling speed even if the throttle lever is in the fully closed

(idle) position. (See page 36 for shift system operation procedures.)

VX



1 "F" (Forward position)

VX DELUXE / VX CRUISER / VX LIMITED



1 "F" (Forward position)



EJU43423

Turning the watercraft

EWJ01783

WARNING

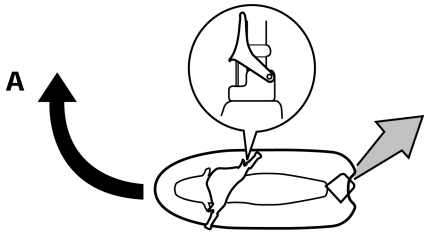
- **Do not release the throttle lever when trying to steer away from objects—as with other powerboats, you need throttle to steer. A collision could result in severe injury or death.**
- **When operating at higher speeds, make gradual turns or slow down before turning. Sharp high-speed turns may cause the watercraft to slide sideways or spin, throwing the operator and passenger(s) overboard, which could cause an injury.**
- **VX / VX DELUXE / VX CRUISER / VX LIMITED: Take early action to avoid collisions. The RiDE system is not a braking device for avoiding dangerous situations.**

Steering control depends on the combination of handlebar position and the amount of throttle.

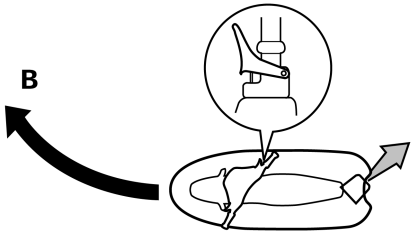
Water sucked in through the intake grate is pressurized by the impeller in the jet pump. As the pressurized water is expelled from the pump through the jet thrust nozzle, it creates thrust to move and steer the watercraft. The higher the engine speed, the more thrust produced.

The amount of jet thrust, in addition to the position of the handlebars, determines how sharply you turn.

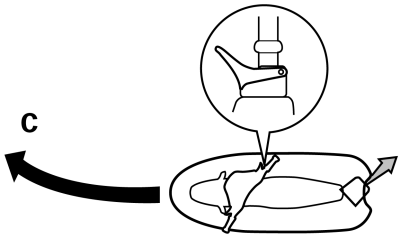
A. More throttle produces higher thrust, so the watercraft will turn more sharply.



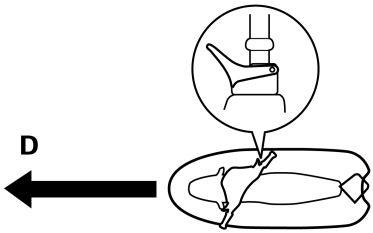
B. Less throttle produces lower thrust, so the watercraft will turn more gradually.



C. Releasing the throttle lever completely produces only minimum thrust. If you are traveling at speeds above trolling, you will have rapidly decreasing ability to steer without throttle. You may still have some turning ability immediately after releasing the throttle lever, but once the engine slows down, the watercraft will no longer respond to handlebar input until you apply throttle again or you reach trolling speed.
At trolling speed, the watercraft can be turned gradually by handlebar position alone using just the amount of thrust available at idle.

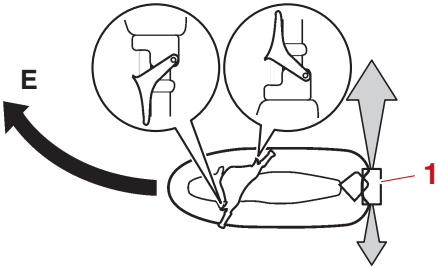


D. If the engine is stopped while riding, there is no thrust. The watercraft will go straight even though the handlebars are turned.



You need throttle to steer.

E. VX / VX DELUXE / VX CRUISER / VX LIMITED: If the RiDE lever is squeezed and the handlebars are turned when the watercraft is cruising at planing speed, the watercraft will turn gradually while slowing down.



1 Reverse gate

This model is equipped with the Yamaha Engine Management System (YEMS) that includes an off-throttle steering (OTS) system. It will activate at planing speeds should you attempt to steer the watercraft after releasing the throttle lever (see condition C above).
The OTS system assists in turning by continuing to supply some thrust while the watercraft is decelerating, but you can turn more sharply if you apply throttle while turning the

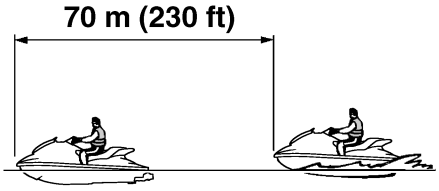
handlebars. The OTS system does not function below planing speeds or when the engine is off. Once the engine slows down, the watercraft will no longer turn in response to handlebar input until you apply throttle again or you reach trolling speed.

EJU45001

Stopping the watercraft

The watercraft is not equipped with a separate braking system. The watercraft slows down by water resistance or, when operating in reverse, by the water jet. The watercraft slows down as soon as the throttle lever is released, but will coast for a distance before fully stopping. If you are not sure you can stop in time before hitting an obstacle, apply throttle and turn in another direction.

From full speed, the watercraft comes to a complete stop due to water resistance in approximately 70 m (230 ft) after the throttle lever is released or the engine is stopped, although this distance will vary depending on many factors, including gross weight, water surface conditions, and wind direction.



VX / VX DELUXE / VX CRUISER / VX LIMITED: If the RiDE lever is squeezed to slow down, the stopping distance is approximately 30% shorter than when the RiDE lever is not used. However, this distance will vary depending on many factors, including gross weight, water surface conditions, and wind direction.

EWJ01793

WARNING

- **Allow adequate stopping distance. Stay far enough away from others so you can always safely coast to a stop.**
- **Take early action to avoid collisions. Remember, watercraft and other boats do not have brakes.**
- **Operate defensively at safe speeds and keep a safe distance away from people, objects, and other watercraft to give you time to stop.**
- **Do not shut the engine off when slowing down in case you need engine power to steer away from a boat or other obstacle that comes into your path.**
- **VX / VX DELUXE / VX CRUISER / VX LIMITED: To avoid rear-end collisions while operating the watercraft, check behind you before using the RiDE lever to slow down or stop the watercraft.**

EJU43446

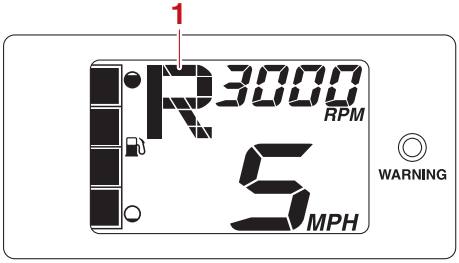
Operating the watercraft in reverse or neutral (VX / VX DELUXE / VX CRUISER / VX LIMITED)

Operating in reverse

When the RiDE lever is squeezed, the “R” (reverse) shift indicator will be displayed and the

watercraft will move in reverse. (See page 36 for shift system operation procedures.)

VX



1 “R” (Reverse position)

VX DELUXE / VX CRUISER / VX LIMITED



1 “R” (Reverse position)



Make sure that there are no obstacles or people behind you before shifting into reverse.

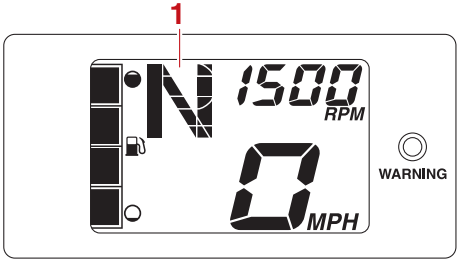
TIP:

This model is equipped with a function which limits the engine speed in reverse.

Operating in neutral

When the RiDE lever is squeezed lightly and released, the “N” (neutral) shift indicator will be displayed and the watercraft will stop in its current location. (See page 36 for shift system operation procedures.)

VX



1 “N” (Neutral position)

VX DELUXE / VX CRUISER / VX LIMITED



1 “N” (Neutral position)

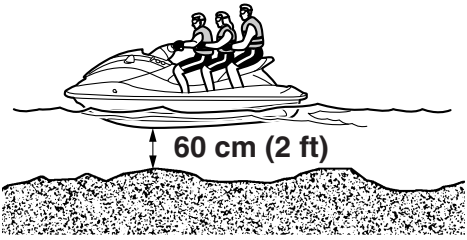


EJU36087
Boarding the watercraft
EWJ01112

⚠ WARNING

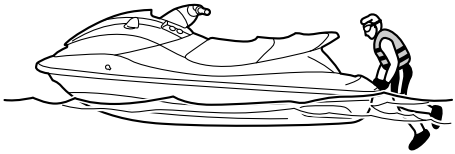
Be sure the operator and any passengers have practiced boarding from the water while still close to shore before riding. A person who has made many unsuccessful attempts to get back on the watercraft may become fatigued and suffer from exposure, increasing the risk of injury and drowning.

Board the watercraft in water free from weeds and debris and at least 60 cm (2 ft) deep from the bottom of the watercraft. ***NOTICE:*** **Never run the engine in water that is less than 60 cm (2 ft) deep from the bottom of the watercraft, otherwise pebbles or sand could be sucked into the jet intake, causing impeller damage and engine overheating.** [ECJ00473]

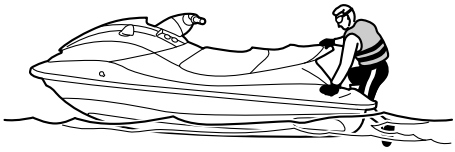


TIP:
VX / VX DELUXE / VX CRUISER / VX LIMITED: This watercraft is equipped with a reboarding step, which can be lowered and used to assist in reboarding. (See page 61 for information on operating the reboarding step.)

EJU36354
Boarding alone
(1) From the rear of the watercraft, place both hands on the boarding platform, pull yourself up, and then grasp the handgrip with one hand.



(2) Pull yourself up to a kneeling position on the boarding platform, and then move to the seat and sit astride.



(3) Attach the engine shut-off cord (lanyard) to your left wrist, and then attach the clip to the engine shut-off switch.
(4) Grip the handlebars with both hands and place both feet on the floor of the footwell.



(5) Look in all directions, start the engine, and then start off slowly.

EJU43260

Boarding with passenger(s)

EWJ01800

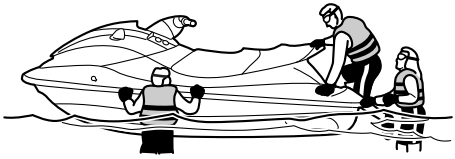
⚠ WARNING

- **Severe internal injuries can occur if water is forced into body cavities as a result of being near the jet thrust nozzle. Do not start the engine until the passengers are seated with their feet on the floor of the footwell and are securely holding on to the person in front of them or to the handgrip provided.**
- **Before boarding the watercraft, make sure that the engine is stopped. If the engine is running, the reverse gate may move down and a person boarding could be pinched.**

The heavier the total weight of the operator and passenger(s), the more difficult it will be to balance the watercraft. Do not operate the watercraft when the total weight exceeds 240 kg (530 lb) including any cargo.

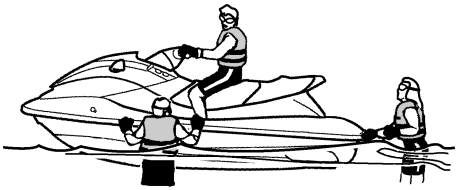
To board with passenger(s):

(1) Board as noted in the previous section "Boarding alone".

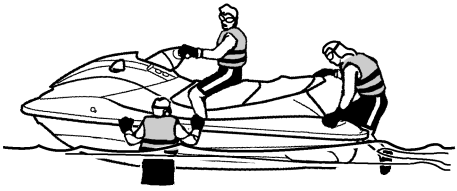


(2) Grip the handlebars with both hands and place both feet on the floor of the footwell.

(3) Have the first passenger move to the rear of the watercraft.



(4) Have the first passenger board using the same procedure as the operator, place their feet on the floor of the footwell, and securely hold on to the operator.



(5) Have the second passenger follow the same procedure. When the second passenger is boarding, try to balance the watercraft together with the first passenger.



(6) Make sure that the passenger(s) have their feet on the floor of the footwell and are securely holding on to the person in front of them or to the handgrip provided.



(7) Attach the engine shut-off cord (lanyard) to your left wrist, and then attach the clip to the engine shut-off switch.
(8) Look in all directions, start the engine, and then start off slowly.

EJU33084
Starting off

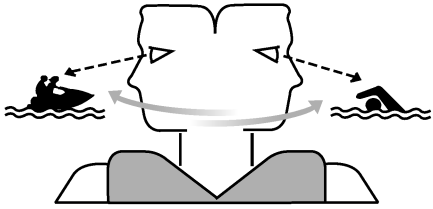
EWJ00713
WARNING

To avoid collisions:

- **Scan constantly for people, objects, and other watercraft. Be alert for conditions that limit your visibility or block your vision of others.**
- **Operate defensively at safe speeds and keep a safe distance away from people, objects, and other watercraft.**
- **Do not follow directly behind watercraft or other boats. Do not go near others to spray or splash them with water, go too close to other boats, or go too fast for the traffic conditions. Avoid sharp turns or other maneuvers that make it hard for others to avoid you or understand where you are going. Avoid areas with submerged objects or shallow water.**
- **Take early action to avoid collisions. Remember, watercraft and other boats do not have brakes. Do not release the throttle lever when trying to steer away from objects—as with other powerboats, you need throttle to steer.**

ECJ01341
NOTICE

Never run the engine in water that is less than 60 cm (2 ft) deep from the bottom of the watercraft, otherwise pebbles or sand could be sucked into the jet intake, causing impeller damage and engine overheating.



EJU44980
Starting off from a trailer

VX-C:

(1) Launch the watercraft, and then turn it around so that the bow faces the direction you wish to go.
(2) Attach the engine shut-off cord (lanyard) to your left wrist, and then attach the clip to the engine shut-off switch.
(3) Look in all directions, start the engine, and then start off slowly.

VX / VX DELUXE / VX CRUISER / VX LIMITED:

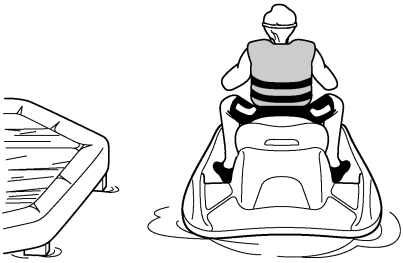
(1) Launch the watercraft.
(2) Attach the engine shut-off cord (lanyard) to your left wrist, and then attach the clip to the engine shut-off switch.
(3) Look in all directions, and then start the engine.

(4) Squeeze the RiDE lever and move the watercraft back slowly. (See page 36 for RiDE lever operation procedures.)

EJU33114

Boarding and starting off from a dock

(1) Board the watercraft from the side.
(2) Attach the engine shut-off cord (lanyard) to your left wrist, and then attach the clip to the engine shut-off switch.
(3) Push the watercraft away from the dock, grip the handlebars with both hands, and place both feet on the floor of the footwell.



(4) Look in all directions, start the engine, and then start off slowly.

EJU44210

Capsized watercraft

EWJ00672

⚠ WARNING

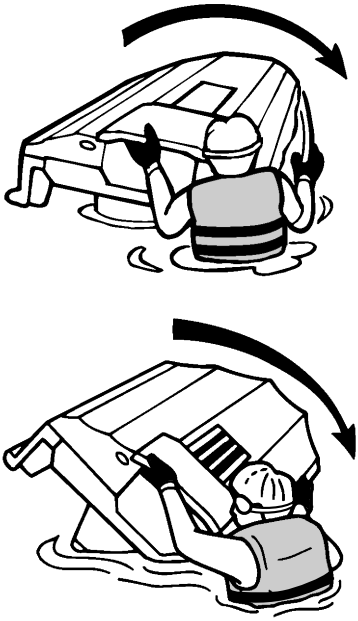
Improper uprighting can cause injury.

- **Be sure to shut the engine off by pulling on the engine shut-off cord (lanyard) to remove the clip from the engine shut-off switch.**
- **Do not put your hands in the intake grate.**

If the watercraft capsizes, turn it over immediately.

To upright the watercraft:

(1) Remove the clip from the engine shut-off switch.
(2) Swim to the rear of the watercraft. Turn the watercraft over by pulling on the ride plate with one hand while pushing down on the gunwale with your other hand or your foot.



(3) Start the engine and operate the watercraft at planing speed to drain the bilge water from the engine compartment. (See page 72 for information on draining the bilge water. If the engine does not start, see “Towing the watercraft” on page 115 or “Submerged watercraft” on page 115.) ***NOTICE:*** **Do not run the engine at full throttle for at least 1 minute after the engine has been restarted. Bilge water in the engine compartment can splash into the engine, which can result in severe damage.**

[ECJ00554]

EJU44390
Beaching and docking the watercraft

To beach the watercraft (VX-C):

(1) Make sure that there are no boats, swimmers, or obstacles near the beach.
(2) Release the throttle lever to reduce speed about 70 m (230 ft) before you reach the intended beaching area.
(3) Slowly approach the beach and stop the engine just before reaching land. **WARNING! You need throttle to steer. Shutting the engine off can cause you to hit an obstacle you are attempting to avoid. A collision could result in severe injury or death.** [EWJ00602] ***NOTICE:*** **Never run the engine in water that is less than 60 cm (2 ft) deep from the bottom of the watercraft, otherwise pebbles or sand could be sucked into the jet intake, causing impeller damage and engine overheating.** [ECJ00473]
(4) Get off the watercraft and pull it up on the beach.

To beach the watercraft (VX / VX DELUXE / VX CRUISER / VX LIMITED):

(1) Make sure that there are no boats, swimmers, or obstacles near the beach.
(2) Release the throttle lever to reduce speed about 70 m (230 ft) before you reach the intended beaching area.
(3) Slowly approach the beach using the throttle lever and RiDE lever to control the watercraft speed. ***NOTICE:*** **Never run the engine in water that is less than 60 cm (2 ft) deep from the bottom of the watercraft, otherwise pebbles or sand could be sucked into the jet intake, causing impeller damage and engine overheating.** [ECJ00473]
(4) After reaching land, stop the engine, and then get off the watercraft and pull it up on the beach.

To dock the watercraft (VX-C):

(1) Make sure that there are no boats, swimmers, or obstacles near the dock.
(2) Release the throttle lever to reduce speed about 70 m (230 ft) away from the dock.
(3) Slowly approach the dock and stop the engine just before coming alongside it. **WARNING! You need throttle to steer. Shutting the engine off can cause you to hit an obstacle you are attempting to avoid. A collision could result in severe injury or death.** [EWJ00602]
(4) Come alongside the dock and get off the watercraft.

To dock the watercraft (VX / VX DELUXE / VX CRUISER / VX LIMITED):

(1) Make sure that there are no boats, swimmers, or obstacles near the dock.
(2) Release the throttle lever to reduce speed about 70 m (230 ft) away from the dock.
(3) Slowly approach the dock using the throttle lever and RiDE lever to control the watercraft speed.
(4) After coming alongside the dock, stop the engine, and then get off the watercraft.

EJU37194
Operating in weeded areas

Always avoid using your watercraft in areas where weed growth is thick. If operating in weeded areas is unavoidable, alternately squeeze the throttle lever and relax your grip on the throttle lever to vary the engine speed. Weeds tend to become clogged more when operating at a steady speed and at trolling speed. If weeds may have clogged the intake area, clean the jet intake. (See page 113 for information on the jet intake.)

EJU40242
After removing the watercraft from the water
ECJ01311

NOTICE

Do not run the engine over 4000 r/min on land. Also, do not run the engine for more than 15 seconds without supplying water, otherwise the engine could overheat.

After operating and removing the watercraft from the water, promptly discharge the remaining water from the cooling water passages.

To discharge water from the cooling water passages:

(1) Make sure that the area around the watercraft is clear, and then start the engine.
(2) Discharge the remaining water out of the cooling water passages by alternately squeezing and releasing the throttle lever quickly for 10 to 15 seconds.
(3) Stop the engine.

EJU37146

Post-operation care

EWJ00331

WARNING

Always place the watercraft upright in a horizontal position when storing it, otherwise fuel could leak out into the engine or engine compartment, which could create a fire hazard.

After using the watercraft, always take it out of the water, clean it, and store it. Leaving the watercraft in the water for extended periods will accelerate the rate of normal deterioration of the jet pump and hull. Marine organisms and corrosion are some of the conditions that can shorten the life of many watercraft components.

EJU46370

Flushing the cooling water passages

ECJ01311

NOTICE

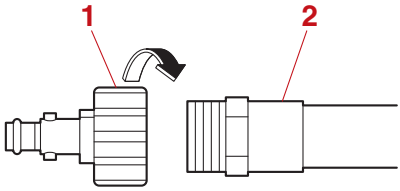
Do not run the engine over 4000 r/min on land. Also, do not run the engine for more than 15 seconds without supplying water, otherwise the engine could overheat.

Flush the cooling water passages to prevent them from clogging with salt, sand, or dirt.

(1) Place the watercraft in a horizontal position.

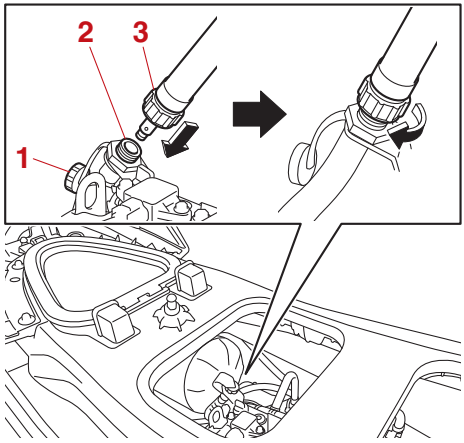
(2) Remove the seats. (See page 60 for seat removal and installation procedures.)

(3) Connect the garden hose adapter to a garden hose.



1 Garden hose adapter
2 Garden hose

(4) Loosen the flushing hose connector cap and remove it. Insert the garden hose adapter into the flushing hose connector by pushing and twisting it until it is securely connected.

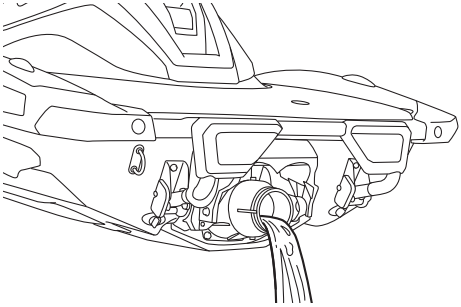


1 Flushing hose connector cap
2 Flushing hose connector
3 Garden hose adapter

(5) Connect the garden hose to a water tap.

(6) Make sure that the area around the watercraft is clear, and then start the engine. Immediately after the engine starts, fully turn the water supply on so that wa-

ter flows out continually from the jet thrust nozzle.



(7) Run the engine at idling speed for about 3 minutes watching the engine condition. If the engine stops while flushing, turn the water supply off immediately and perform the procedure again from step 6. ***NOTICE:*** **Do not supply water to the cooling water passages when the engine is not running. The water could flow back through the muffler into the engine, causing severe engine damage.** [ECJ00123]
(8) Turn the water supply off.
(9) Discharge the remaining water out of the cooling water passages by alternately squeezing and releasing the throttle lever quickly for 10 to 15 seconds.
(10) Stop the engine.
(11) Remove the garden hose adapter, and then securely install the flushing hose connector cap by tightening it until it stops.
(12) Securely install seats in their original positions.

EJU43931
Cleaning the watercraft

(1) Remove the seats. (See page 60 for seat removal and installation procedures.)
(2) If the watercraft will be stored for a week or more, rustproof the internal engine components to help prevent corrosion. (See page 102 for information on rustproofing the internal engine components.)
(3) Rinse the engine and engine compartment with a small amount of water. ***NOTICE:*** **Do not use high-pressure water when rinsing the engine or engine compartment as severe engine damage could result.** [ECJ00572]
(4) Drain the water from the engine compartment. (See page 72 for information on draining the bilge water.)
(5) Wipe the engine and engine compartment with a dry cloth.
(6) Wash down the hull, deck, and jet pump with fresh water.
(7) Wipe the hull, deck, and jet pump with a dry cloth.
(8) Wipe all vinyl and rubber components, such as the seats and engine compartment seals, with a vinyl protectant such as Yamaclean Vinyl Dressing™.
(9) To minimize corrosion, spray metallic parts of the hull, deck, and engine with a rust inhibitor such as Yamalube Silicone Protectant & Lubricant.
(10) Allow the engine compartment to air dry completely before installing the seats.
(11) Securely install the seats in their original positions.

EJU41635
Battery care

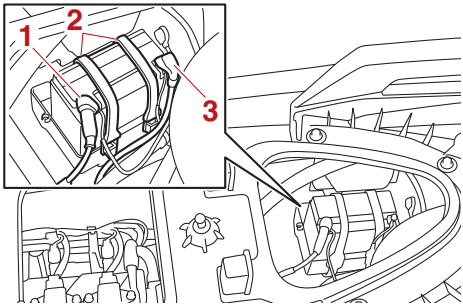
If the watercraft will not be used for more than a month, remove the battery from the watercraft, check it, and then store it in a cool, dry place.

EWJ00793
⚠ WARNING

Battery electrolyte is poisonous and dangerous, causing severe burns, etc. Electrolyte contains sulfuric acid. Avoid contact with skin, eyes, or clothing.

Antidotes
External: Flush with water.
Internal: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call a physician immediately.
Eyes: Flush with water for 15 minutes and get prompt medical attention.
Batteries produce explosive gases. Keep sparks, flames, cigarettes, etc., well away. If using or charging the battery in an enclosed space, make sure that it is well ventilated. Always shield your eyes when working near batteries.
Keep out of the reach of children.

To remove the battery:
(1) Disconnect the negative (–) battery lead.
(2) Disconnect the positive (+) battery lead.
(3) Unhook the battery bands, and then remove the battery from the watercraft.

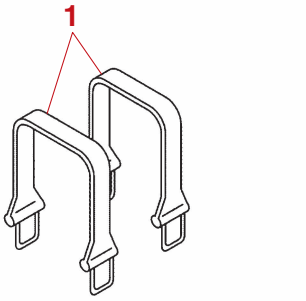


1 Negative (–) battery terminal: Black lead
2 Battery band
3 Positive (+) battery terminal: Red lead

Checking the battery
- Make sure that the battery case is not damaged.
- Make sure that the battery terminals are not corroded or damaged.

Checking the battery voltage and charging the battery
It is recommended to have a Yamaha dealer check the battery voltage and charge the battery. Have a Yamaha dealer charge the battery as soon as possible if it seems to have discharged. Keep in mind that the battery tends to discharge more quickly if the vehicle is equipped with optional electrical accessories. ***NOTICE:*** **To charge a VRLA (Valve Regulated Lead Acid) battery, a special (constant-voltage) battery charger is required. Using a conventional battery charger will damage the battery.** [ECJ02810]

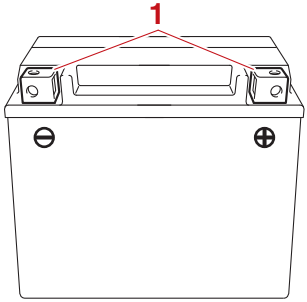
Checking the battery bands
Make sure that the battery bands are not damaged.



1 Battery band

To store the battery:
(1) Clean the battery case using fresh water.

(2) If the battery terminals are dirty or corroded, clean them using a wire brush.



1 Battery terminal

(3) Apply water-resistant grease to the battery terminals.

Recommended water-resistant grease:
YAMALUBE MARINE GREASE

(4) Store the battery in a cool, dry place. ***NOTICE:*** **Storing the battery in an uncharged condition can cause permanent battery damage. Check the battery periodically.** [ECJ00103]

To install the battery:

(1) Place the battery in the battery compartment and hook the battery bands onto the holders.
(2) Connect the positive (+) battery lead (red) to the positive (+) battery terminal. ***NOTICE:*** **Reversal of the battery leads will damage the electrical parts.** [ECJ00262]
(3) Connect the negative (–) battery lead (black) to the negative (–) battery terminal.
(4) Make sure that the battery is securely held in place.

EJU33493

Long-term storage

EWJ00331

WARNING

Always place the watercraft upright in a horizontal position when storing it, otherwise fuel could leak out into the engine or engine compartment, which could create a fire hazard.

Storage for long periods of time, such as winter storage, requires preventive maintenance to ensure against deterioration. It is advisable to have the watercraft serviced by a Yamaha dealer prior to storage.
However, the following procedures can be performed easily by the owner.

EJU40256

Cleaning

(1) Flush the cooling water passages. (See page 98 for information on flushing the cooling water passages.)

TIP:

If you will be storing the watercraft for a prolonged period, such as winter storage, top off the fuel tank with fresh gasoline and add one ounce of Yamalube Fuel Stabilizer & Conditioner Plus to each gallon of fuel in the fuel tank before starting the engine.

(2) Clean the watercraft. (See page 99 for information on cleaning the watercraft.)
Wax the hull with a non-abrasive wax such as Yamalube Professional Polish.

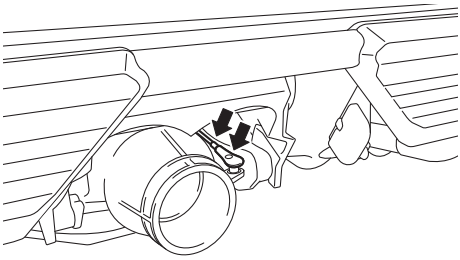
EJU43672

Lubrication

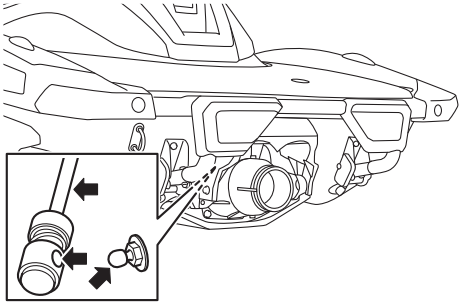
To keep moving parts sliding or rotating smoothly, lubricate them with water-resistant grease.

Recommended water-resistant grease:
YAMALUBE MARINE GREASE

- Steering cable (jet thrust nozzle end)



- VX / VX DELUXE / VX CRUISER / VX LIMITED: Shift rod (reverse gate end) and ball joint



TIP:

Disconnect the shift rod from the ball joint before lubricating.

EJU46350

Rustproofing

Rustproofing the hull, deck, and engine

Spray metallic parts of the hull, deck, and engine with a rust inhibitor such as Yamalube Silicone Protectant & Lubricant.

Rustproofing the internal engine components

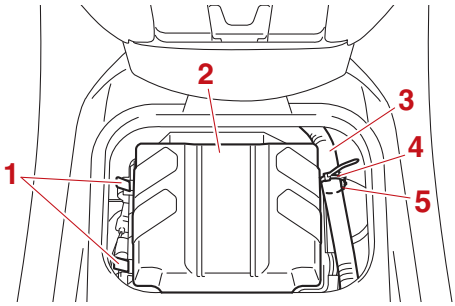
Rustproof the internal engine components with a rust inhibitor such as Yamalube Stor-Rite Engine Fogging Oil.

To rustproof the internal engine components:

(1) Remove the seats. (See page 60 for seat removal and installation procedures.)

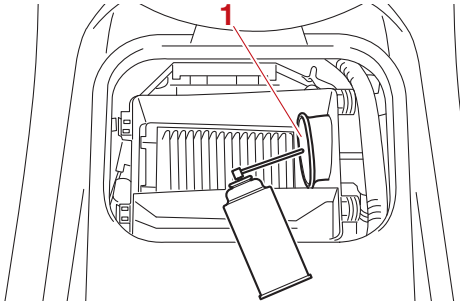
(2) Remove the plastic tie that is fastening the fuel hose to the holder on the starboard side of the air filter case.

(3) Release the hooks on the port side of the air filter case, and remove the air filter case cover.



1 Hook
2 Air filter case cover
3 Fuel hose
4 Plastic tie
5 Holder

(4) Spray a rust inhibitor such as Yamalube Stor-Rite Engine Fogging Oil into the intake opening for 3 seconds. **WARNING! Do not spray flammable rust inhibitor products on engine surfaces while the engine is hot. The sprayed substance or propellants could catch fire.** [EWJ00262]



1 Intake opening

(5) Place the air filter case cover in its original position, and then fit the hooks onto the cover.

TIP:
Make sure that the air filter case cover is securely installed.

(6) Fasten the fuel hose to the holder using the plastic tie.
(7) Make sure that the area around the watercraft is clear, and then start the engine in a well-ventilated area and let it run at idle for 15 seconds. (See page 33 for information on starting the engine.)
(8) Stop the engine.
(9) Securely install the seats in their original positions.

EJU33759

Maintenance

Periodic checks and lubrication will keep your watercraft in the safest and most efficient condition possible. Therefore, make sure to carry out the periodic maintenance. Safety is an obligation of the watercraft owner. Proper maintenance must be carried out to keep the exhaust emission and sound levels within the regulated limits. The most important points of watercraft inspection and lubrication are explained on the following pages.

See a Yamaha dealer for genuine Yamaha replacement parts and optional accessories designed for your watercraft.

Remember, failures that are the result of the installation of parts or accessories which are not qualitatively equivalent to genuine Yamaha parts are not covered by the limited warranty.

Maintenance, replacement, or repair of the emission control devices and system may be performed by any marine SI engine repair establishment or individual. Warranty repair, however, must be performed at an authorized Yamaha marine dealership.

EWJ00312

WARNING

Be sure to turn off the engine when you perform maintenance unless otherwise specified. If you are not familiar with machine servicing, this work should be done by a Yamaha dealer or other qualified mechanic.

A service manual is available for purchase through a Yamaha dealer for owners who have the mechanical skills, tools, and other equipment necessary to perform maintenance not covered by this owner's/operator's manual.

EJU43102
Periodic maintenance chart

The periodic maintenance chart gives general guidelines for periodic maintenance. Have a Yamaha dealer perform the checks in the following chart. However, maintenance may need to be performed more frequently depending on your operating conditions. If you have any questions, consult a Yamaha dealer.

This "√" mark indicates items to be checked and serviced by a Yamaha dealer.

Item	Operation	Initial	Thereafter every			Page
		10 hours	50 hours or 12 months *1	100 hours or 12 months *1	200 hours or 24 months *1	
Fuel line	Check fuel hoses and clamps			√		—
Fuel filler cap/Water separator	Check O-rings for cracks and deformation			√		—
Fuel tank	Check installation and straps			√		—
Water inlet strainer	Check for clogs and damage			√		—
Cooling water hoses	Check for damage and leakage, and check clamps			√		—
Engine oil	Replace	√		√		107
Oil filter	Replace			√		107
Intermediate housing	Lubricate			√		—
Spark plugs	Check	√		√		—
Battery	Check state of charge, terminals and bands			√		—
Battery leads	Check terminals			√		—
Steering master	Check operation and for looseness	√		√		—
Steering cable	Check exterior and connections, and lubricate			√		—
Shift rod and reverse gate (VX / VX DELUXE / VX CRUISER / VX LIMITED)	Check exterior and connections, and lubricate			√		—
Air filter element	Check for damage and dirt			√		—
Air intake hoses	Check for damage, and check clamps			√		—
Throttle body	Lubricate throttle valve			√		—

Item	Operation	Initial	Thereafter every			Page
		10 hours	50 hours or 12 months *1	100 hours or 12 months *1	200 hours or 24 months *1	
Exhaust system	Check for exhaust leakage, and check hoses and clamps			√		—
Breather hose	Check breather hose and clamps			√		—
Impeller	Check for bends, damage, and foreign material			√		—
Jet thrust nozzle	Check movement, and lubricate			√		—
Jet vacuum bilge	Check hoses for clogs and damage, check clamps, and clean bilge strainer			√		—
Stern drain plugs	Check O-rings			√		—
Anode	Check for corrosion, and clean				√ *2	—
Valve clearance	Check and adjust				√ *2	—
Rubber coupling	Check for cracks, indentations, looseness, and noise				√	—
Engine mount	Check for damage and peeling				√	—

*1: Whichever comes first.

*2: Check every 200 hours.

Perform the pre-operation checks and post-operation checks before performing periodic maintenance.

EJU36943
Engine oil and oil filter
EWJ00341
WARNING

Engine oil is extremely hot immediately after the engine is turned off. Coming in contact with or getting any engine oil on your clothes could result in burns.

ECJ00992
NOTICE

Do not run the engine with too much or not enough oil in the engine, otherwise the engine could be damaged.

It is recommended to have a Yamaha dealer change the engine oil and the engine oil filter. However, if you choose to change the oil and filter on your own, consult a Yamaha dealer.

EJU46440

Specifications

Watercraft capacity:
Maximum people on board:
3 person
Maximum load capacity:
240 kg (530 lb)

Dimensions and weight:
Length:
3.33 m (131.1 in) (VX-C)
3.37 m (132.7 in) (VX LIMITED, VX CRUISER, VX DELUXE, VX)
Width:
1.24 m (48.8 in)
Height:
1.20 m (47.2 in)
Dry weight:
306 kg (675 lb) (VX DELUXE)
308 kg (679 lb) (VX CRUISER)
314 kg (692 lb) (VX DELUXE with audio)
316 kg (697 lb) (VX LIMITED, VX CRUISER with audio)
318 kg (701 lb) (VX-C)
326 kg (719 lb) (VX)

Performance:
Maximum fuel consumption:
29.1 L/h (7.7 US gal/h, 6.4 Imp.gal/h) (VX-C)
33.0 L/h (8.7 US gal/h, 7.3 Imp.gal/h) (VX LIMITED, VX CRUISER, VX DELUXE, VX)
Cruising range at full throttle:
2.12 hour (VX LIMITED, VX CRUISER, VX DELUXE, VX)
2.41 hour (VX-C)
Trolling speed:
1500 ±100 r/min

Engine:
Engine type:
Liquid cooled 4-stroke, DOHC
Number of cylinders:
3
Engine displacement:
1049 cm^3
Bore × stroke:
82.0 × 66.2 mm (3.23 × 2.61 in)
Compression ratio:
11.0 : 1
Valve clearance-intake (cold):
0.15–0.22 mm (0.0059–0.0087 in)
Valve clearance-exhaust (cold):
0.26–0.32 mm (0.0102–0.0126 in)
Lubrication system:
Dry sump
Cooling system:
Water
Starting system:
Electric
Ignition system:
T.C.I.
Spark plug (NGK):
CR9EB
Spark plug gap:
0.7–0.8 mm (0.028–0.031 in)
Battery capacity:
12 V, 18 Ah
Battery type:
YTX20L-BS
Charging system:
Flywheel magneto

Drive unit:
Propulsion system:
Jet pump
Jet pump type:
Axial flow, single stage
Impeller rotation:
Counterclockwise
Jet thrust nozzle angle:
24+24 °

Fuel and oil:
Recommended fuel:
Regular unleaded gasoline
Minimum octane rating (PON):
86
Minimum octane rating (RON):
90
Recommended engine oil:
YAMALUBE 4W or 4-stroke motor oil



Recommended engine oil type SAE:
SAE 10W-30, 10W-40, 20W-40, 20W-50
Recommended engine oil grade API:
API SG, SH, SJ, SL
Fuel tank total capacity:
70 L (18.5 US gal, 15.4 Imp.gal)

Specifications

Engine oil quantity with oil filter replacement:
3.4 L (3.59 US qt, 2.99 Imp.qt)
Engine oil quantity without oil filter replacement:
3.2 L (3.38 US qt, 2.82 Imp.qt)
Engine oil total quantity:
3.7 L (3.91 US qt, 3.26 Imp.qt)

EJU34562

Troubleshooting

If you have any trouble with your watercraft, use the troubleshooting chart to check for the possible cause.

If you cannot find the cause, consult a Yamaha dealer.

EJU46272

Troubleshooting chart

Confirm the possible cause and remedy, and then refer to the applicable page.

TROUBLE	POSSIBLE CAUSE		REMEDY	PAGE
Engine does not start (Starter motor does not turn over)	Yamaha Security System (VX DELUXE / VX CRUISER / VX LIMITED)	Lock mode selected	Select unlock mode	31
	Engine shut-off switch	Clip not in place	Install clip	32
	Fuse	Burned out	Have serviced by Yamaha dealer	—
	Battery	Run down	Recharge	99
		Poor terminal connections	Tighten as required	99
		Terminal corroded	Clean or replace	99
	Starter motor	Faulty	Have serviced by Yamaha dealer	—
Engine does not start (Starter motor turns over)	Throttle lever	Squeezed	Release	33
	RiDE lever (VX / VX DELUXE / VX CRUISER / VX LIMITED)	Squeezed	Release	33
	Fuel	Fuel tank empty	Refill as soon as possible	68
		Stale or contaminated	Have serviced by Yamaha dealer	—
	Fuel tank	Water or dirt present	Have serviced by Yamaha dealer	—
	Spark plug	Fouled or defective	Have serviced by Yamaha dealer	—
	Fuel injection system	Fuel pump faulty	Have serviced by Yamaha dealer	—

Trouble recovery

TROUBLE	POSSIBLE CAUSE		REMEDY	PAGE
Engine runs irregularly or stalls	Fuel	Fuel tank empty	Refill as soon as possible	68
		Stale or contaminated	Have serviced by Yamaha dealer	—
	Fuel tank	Water or dirt present	Have serviced by Yamaha dealer	—
	Spark plug	Fouled or defective	Have serviced by Yamaha dealer	—
		Incorrect heat range	Have serviced by Yamaha dealer	—
		Gap incorrect	Have serviced by Yamaha dealer	—
	Electrical wiring	Loose connection	Have serviced by Yamaha dealer	—
	Fuel injection system	Faulty or clogged injectors	Have serviced by Yamaha dealer	—
Warning light or indicator blinks or comes on (VX-C / VX)	Fuel level warning	Fuel tank empty	Refill as soon as possible	68
	Oil pressure warning	Oil pressure dropped	Have serviced by Yamaha dealer	48
	Engine overheat warning	Jet intake clogged	Clean	113
	Check engine warning	Faulty sensors	Have serviced by Yamaha dealer	49
Warning is displayed (VX DELUXE / VX CRUISER / VX LIMITED)	Fuel level warning	Fuel tank empty	Refill as soon as possible	68
	Oil pressure warning	Oil pressure dropped	Have serviced by Yamaha dealer	57
	Engine overheat warning	Jet intake clogged	Clean	113
	Check engine warning	Faulty sensors	Have serviced by Yamaha dealer	56

TROUBLE	POSSIBLE CAUSE		REMEDY	PAGE
Watercraft slow or loses power	Watercraft operation mode (VX DELUXE / VX CRUISER / VX LIMITED)	Drive control mode activated	Deactivate or adjust drive control mode	42
	Cavitation	Jet intake clogged	Clean	113
		Impeller damaged or worn	Have serviced by Yamaha dealer	113
	Engine overheat warning	Engine speed reduction control activated	Clean jet intake and cool engine	49, 56
	Oil pressure warning	Engine speed reduction control activated	Add oil	48, 57
	Spark plug	Fouled or defective	Have serviced by Yamaha dealer	—
		Incorrect heat range	Have serviced by Yamaha dealer	—
		Gap incorrect	Have serviced by Yamaha dealer	—
	Electrical wiring	Loose connection	Have serviced by Yamaha dealer	—
	Fuel	Stale or contaminated	Have serviced by Yamaha dealer	—
	Air filter	Clogged	Have serviced by Yamaha dealer	—
		Oil buildup	Have serviced by Yamaha dealer	—
	Throttle lever	Faulty	Have serviced by Yamaha dealer	—
Audio system does not activate (equipped models)	Fuse	Burned out	Have serviced by Yamaha dealer	—

EJU34625

Emergency procedures

EJU44590

Cleaning the jet intake and impeller

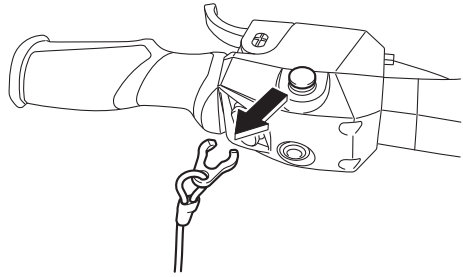
EWJ00783

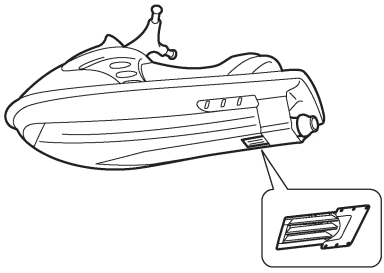
WARNING

Before attempting to remove weeds or debris from the jet intake or impeller area, shut the engine off and remove the clip from the engine shut-off switch. Severe injury or death could result from coming in contact with the rotating parts of the jet pump.

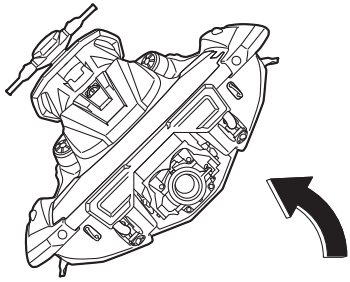
If weeds or debris gets caught in the jet intake or impeller, cavitation can occur, causing jet thrust to decrease even though engine speed rises. If this condition is allowed to continue, the engine will overheat and may seize. ***NOTICE:*** **If weeds or debris gets caught in the jet intake, do not operate the watercraft above trolling speed until they have been removed.** [ECJ00654]

If there is any sign that the jet intake or impeller is clogged with weeds or debris, return to shore and check the intake and impeller. Always stop the engine before beaching the watercraft.





(1) Place a suitable clean cloth or carpeting underneath the watercraft to protect it from abrasions and scratches. Turn the watercraft on its side as shown. ***NOTICE:*** **When turning the watercraft on its side, support the bow so that the handlebars are not bent or damaged.** [ECJ02690]



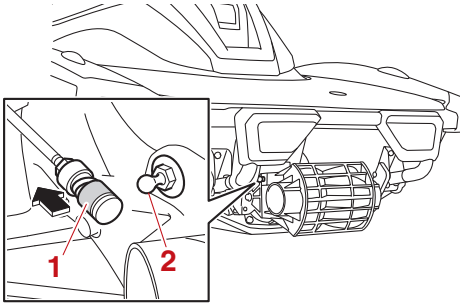
(2) Remove any weeds or debris from around the jet intake, drive shaft, impel-

ler, jet pump housing, and jet thrust nozzle.
If debris is difficult to remove, consult a Yamaha dealer.

EJU43472
Raising the reverse gate (VX / VX DELUXE / VX CRUISER / VX LIMITED)

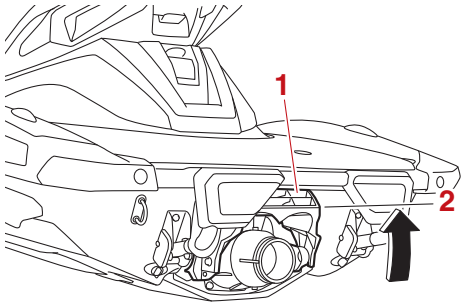
If the RiDE system malfunctions and the reverse gate remains in the lowered position, the watercraft will not be able to move forward.
After raising the reverse gate so that the watercraft can move forward, immediately return to shore and have a Yamaha dealer service the watercraft.
To raise the reverse gate:

(1) Stop the engine and remove the clip from the engine shut-off switch.
(2) Enter the water and move to the rear of the watercraft.
(3) Slide the shift rod joint toward the bow, and then disconnect the shift rod joint from the ball joint.



1 Shift rod joint
2 Ball joint

(4) Raise the reverse gate to the forward position.



1 Reverse gate
2 Forward position

TIP:

- While the shift rod is disconnected, the reverse gate will not move to the neutral position or reverse position even if the RiDE lever is squeezed.
- If the RiDE lever is squeezed while the shift rod is disconnected, the watercraft will move forward.

EJU34642
Jumping the battery

If the watercraft battery has run down, the engine can be started using a 12-volt booster battery and jumper cables.

EJU34664
Connecting the jumper cables

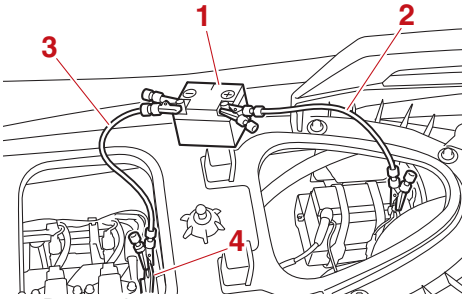
EWJ01251

WARNING

To avoid battery explosion and serious damage to the electrical system:

- **Do not reverse the polarity of the jumper cables when connecting to the batteries.**
- **Do not connect the negative (–) jumper cable to the negative (–) terminal of the watercraft battery.**
- **Do not touch the positive (+) jumper cable to the negative (–) jumper cable.**

(1) Connect the positive (+) jumper cable to the positive (+) battery terminals of both batteries.
(2) Connect one end of the negative (–) jumper cable to the negative (–) battery terminal of the booster battery.
(3) Connect the other end of the negative (–) jumper cable to an engine hanger.



1 Booster battery
2 Positive (+) jumper cable
3 Negative (–) jumper cable
4 Engine hanger

(4) Start the engine, and then disconnect the jumper cables by reversing the steps above. (See page 33 for information on starting the engine.)

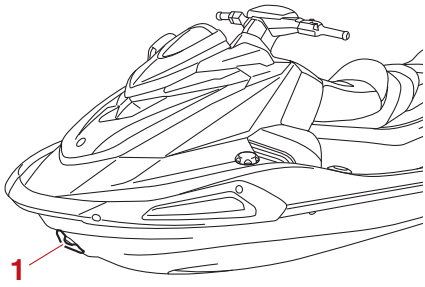
EJU34716
Towing the watercraft

EWJ00812
⚠ WARNING

- **The operator of the towing boat must keep speed to a minimum and avoid traffic or obstacles which could be a hazard to the operator on the watercraft.**
- **The towline should be long enough so that the watercraft will not collide with the towing boat when slowing down.**

If the watercraft becomes inoperative in the water, it can be towed to shore.

To tow the watercraft:
Use a towline that is three times the combined length of the towing boat and the watercraft.
(1) Securely attach the towline to the bow eye of the watercraft being towed.



1 Bow eye

(2) Sit astride the seat and hold on to the handlebars in order to balance the watercraft. ***NOTICE:*** **The bow must be kept up out of the water during towing, otherwise water could flood the engine compartment or water could flow back into the engine, causing severe engine damage.** [ECJ01331]

Tow the watercraft at 8 km/h (5 mph) or less. ***NOTICE:*** **Tow the watercraft at 8 km/h (5 mph) or less, otherwise water could flood the engine compartment or water could flow back into the engine, causing severe engine damage.** [ECJ01322]

EJU36156
Submerged watercraft

If the watercraft is submerged or flooded with water, drain the bilge water from the engine compartment. Then, have a Yamaha dealer service the watercraft as soon as possible.
If the watercraft was submerged:
(1) Remove the watercraft from the water and drain the water from the storage compartments. (See page 63 for infor-

mation on draining the storage compartments.)

(2) Drain the bilge water from the engine compartment. (See page 72 for information on draining the bilge water.)

(3) Have the watercraft serviced by a Yamaha dealer as soon as possible. ***NOTICE:*** **Be sure to have a Yamaha dealer inspect the watercraft. Otherwise, serious engine damage could result.** [ECJ00792]

EJU34785

Limited warranty

YAMAHA MOTOR CORPORATION, U.S.A.
WAVERUNNER® WATERCRAFT LIMITED WARRANTY

Yamaha Motor Corporation, U.S.A. hereby warrants that new Yamaha WaveRunner watercraft purchased from an authorized Yamaha WaveRunner Watercraft Dealer in the United States (excluding its territories) will be free from defects in material and workmanship for the period of time stated herein, subject to certain stated limitations.

PERIOD OF WARRANTY. Any new Yamaha WaveRunner watercraft purchased for pleasure use will be warranted for a period of one (1) year from the date of purchase, subject to exclusions noted herein. Any Yamaha WaveRunner watercraft purchased and utilized for commercial applications will be warranted for a period of ninety (90) days from the date of purchase, subject to exclusions noted herein. The battery will be warranted against defects in material or workmanship for thirty (30) days from the date of vehicle purchase for either pleasure or commercial use. Replacement parts used in warranty repairs will be warranted for the balance of the applicable warranty period.

OBTAINING REPAIRS UNDER WARRANTY. During the period of warranty, any authorized Yamaha WaveRunner Watercraft Dealer will, free of charge, repair or replace, at Yamaha's option, any part adjudged defective by Yamaha due to faulty workmanship or material from the factory. All parts replaced under warranty will become the property of Yamaha Motor Corporation, U.S.A.

THE CUSTOMER'S RESPONSIBILITY under this warranty shall be to:
1. Operate, maintain, and store the WaveRunner watercraft as specified in the appropriate Owner's/Operator's Manual, and
2. Give notice to an authorized Yamaha WaveRunner watercraft dealer of any and all apparent defects within ten (10) days after discovery, and make the machine available at that time for inspection and repairs at such dealer's place of business.

GENERAL EXCLUSIONS from this warranty shall include any failures caused by:
a. Racing or competition use, modification of original parts, abnormal strain.
b. Lack of proper maintenance and off-season storage as described in the Owner's/Operator's Manual.
c. Installation of parts or accessories that are not equivalent in design and quality to genuine Yamaha parts.
d. Use of lubricants, oils, and fuels that are not suitable for WaveRunner watercraft use.
e. Damage as a result of accidents, collisions, contact with foreign materials, or submersion.
f. Growth of marine organism on motor or hull surfaces.
g. Normal deterioration.
h. Gel coat stress cracks
i. Damage due to improper transportation.

SPECIFIC PARTS EXCLUDED FROM WARRANTY. Parts replaced due to normal wear or routine maintenance such as oil, spark plugs, fuel filters, impeller and liner, and anodes are not covered by warranty. Charges for transporting the WaveRunner watercraft to and from an authorized Yamaha WaveRunner Watercraft Dealer are excluded from warranty coverage.

EMISSION CONTROL WARRANTY.
Yamaha warrants to the ultimate purchaser and any subsequent owner, that the exhaust emission control components on this engine are designed, built and equipped so as to conform at the time of sale with applicable regulations under section 213 of the Clean Air Act and that this engine is free from defects in materials and workmanship which cause said engine to fail to conform with applicable regulations for 30 months from the date of purchase or 175 hours of operation, whichever comes first. For evaporative emission components, for a failure that will increase evaporative emissions, the warranty coverage is 2 years from the date of purchase. Some states may have different emission control warranty provisions. As these vary from state to state, consult your Yamaha dealer or contact Yamaha Customer Relations at 1-800-962-7926 for more information.

WARRANTY TRANSFER: To transfer the warranty from the original purchaser to any subsequent purchaser(s), it is imperative that the WaveRunner watercraft be inspected and registered for warranty by an authorized Yamaha WaveRunner watercraft dealer. In order for this warranty to remain in effect, this inspection and registration must take place within ten (10) days after transfer of ownership to the subsequent purchaser. A reasonable dealer-imposed fee may be charged for this inspection.

YAMAHA MOTOR CORPORATION, U.S.A. MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WHICH EXCEED THE OBLIGATIONS AND TIME LIMITS STATED IN THIS WARRANTY ARE HEREBY DISCLAIMED BY YAMAHA MOTOR CORPORATION, U.S.A. AND EXCLUDED FROM THIS WARRANTY.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. ALSO EXCLUDED FROM THIS WARRANTY ARE ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING LOSS OF USE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

YAMAHA MOTOR CORPORATION, U.S.A.
Post Office Box 6555
Cypress, California 90630

WARRANTY QUESTIONS AND ANSWERS

Q. What costs are my responsibility during the warranty period?
A. The customer's responsibility includes all costs of normal maintenance services, non-warranty repairs, accident and collision damages.

Q. What are some examples of "abnormal" strain, neglect, or abuse?
A. These terms are general and overlap each other in areas. Specific examples include:
Running the watercraft out of oil, operating the machine with a broken or damaged part which causes another part to fail, and so on. If you have any specific questions on operation or maintenance, please contact your Yamaha dealer for advice.

Q. Does the warranty cover incidental costs such as transportation due to a failure?
A. No. The warranty is limited to repair of the watercraft itself.

Q. May I perform any or all of the recommended maintenance shown in the Owner's/Operator's Manual instead of having the dealer do them?
A. Yes, if you are a qualified mechanic and follow the procedures specified in the Owner's/Operator's and Service Manual. We do recommend, however, that items requiring special or equipment be done by a Yamaha dealer.

Q. Will the warranty be void or cancelled if I do not operate or maintain my new watercraft exactly as specified in the Owner's/Operator's Manual?
A. No. The warranty on a new watercraft cannot be "voided" or "cancelled". ***However, if a particular failure is caused by operation or maintenance other than as shown in the Owner's/Operator's Manual, that failure may not be covered under warranty.***

Q. What responsibility does my dealer have under this warranty?
A. Each Yamaha dealer is expected to:
1. Completely set up each new watercraft before sale.
2. Explain the operation, maintenance, and warranty requirements to your satisfaction at the time of sale, and upon your request at any later date. In addition, each Yamaha dealer is held responsible for his setup, service and warranty repair work.

Q. Is the warranty transferable to second owners?
A. Yes. The remainder of the existing warranty can be transferred upon request. The unit has to be inspected and re-registered by an authorized Yamaha dealer for the policy to remain effective.

CUSTOMER SERVICE

If your watercraft requires warranty service, you must take it to any authorized Yamaha dealer within the continental United States. 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 owner of the dealership. Since all warranty matters are handled at the dealer level, this person is in the best position to help you. If you are still not satisfied and require additional assistance, please write:

YAMAHA MOTOR CORPORATION U.S.A.
CUSTOMER RELATIONS DEPARTMENT
P.O. Box 6555
Cypress, California 90630

CHANGE OF ADDRESS

The federal government requires each manufacturer to maintain a complete, up-to-date list of all first purchasers against the possibility of a safety-related defect and recall. This list is complied from the purchase registrations sent to Yamaha Motor Corporation, U.S.A. by the selling dealer at the time of your purchase.
If you should move after you have purchased your new watercraft, please advise us of your new address by sending a postcard listing your Yamaha model name, engine number, dealer number [or dealer's name] as it is shown on your warranty card, your name and new mailing address.
Mail to:

YAMAHA MOTOR CORPORATION, U.S.A.
1270 Chastain Road
Kennesaw, Georgia 30144
Attention: Warranty Department

This will ensure that Yamaha Motor Corporation, U.S.A. has an up-to-date registration record in accordance with federal law.

EJU34803

YAMAHA EXTENDED SERVICE (Y.E.S.)

Keep your Yamaha protected even after your warranty expires with genuine Yamaha Extended Service (Y.E.S.).

- Y.E.S. is designed and administered by Yamaha Motor Corporation to provide maximum owner satisfaction. You get uninterrupted factory-backed coverage for extra peace of mind.
- Y.E.S. is flexible. You choose the plan that is right for you: 12 months, 24 months, 36 months, or (on four-stroke models) 48 months beyond your warranty period.
- Y.E.S. is designed and administered by the same Yamaha people who handle your warranty—and it shows in the comprehensive coverage benefits. There are no mileage limitations. Coverage is not limited to “moving parts” or the “drive train” like many other plans. And Y.E.S. covers manufacturing defects just like the warranty. See the sample contract at your Yamaha dealer to see how comforting uninterrupted factory-backed protection can be.
- You do not have to pay anything for covered repairs. There is no deductible to pay, and repairs are not “pro-rated.” You do not have any “out-of-pocket” expenses for covered repairs.
- In addition, Travel and Recreation Interruption Protection (TRIP) is included at no extra cost. TRIP gives you up to $250 reimbursement per occurrence for any reasonable expenses you incur because your Yamaha needs covered service: replacement vehicle rental, emergency towing, phone calls, even food and lodging when you are away from home. This superb coverage goes into effect when you purchase Y.E.S., so it applies to any warranty repairs as well as covered repairs during your entire Y.E.S. plan period.
- Y.E.S. coverage is honored at any authorized Yamaha dealer nationwide.
- Y.E.S. coverage is transferable to a new owner if you sell or trade-in. That can make your Yamaha much more valuable!

This excellent Y.E.S. plan coverage is only available to Yamaha owners like you, and only while your Yamaha is still within the Yamaha Limited Warranty period. So visit your authorized Yamaha dealer to get all the facts. He can show you how easy it is to protect your investment with Yamaha Extended Service.
We urge you to act now. You will get the excellent benefits of TRIP coverage right away, and you will rest easy knowing you will have strong factory-backed protection even after your Yamaha Limited Warranty expires.

A special note:
If visiting your dealer is not convenient, contact Yamaha with your Primary ID number (your Owner’s Manual shows you where to find this number). We will be happy to help you get the Y.E.S. coverage you need.

Yamaha Service Marketing
P.O. Box 6555
Cypress, CA 90630
1-(866)-YES-EXTD
(1-866-937-3983)



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