



# Practical

## Inspection before a Departure

### Inspection before a departure Check sheet Personal water craft

Engine relation(Machinery)	Hull
Bilge Amount of fuel oil Fuel oil tank cap Engine oil Battery Water separator Kill-switch cord (Fuel oil cock) (Fuel oil filter) (Cooling water) ☆Check in the reserve tank	Damage on the hull Hatches & Seats Handle bar Throttle (Shift) Jet intake Jet nozzle Drain plug
	Legally Required Equipment and Documents
	Life-jacket Whistle (sound signal apparatus) Hand flares Mooring ropes Ship inspection certificate Record of marine boards of inspection

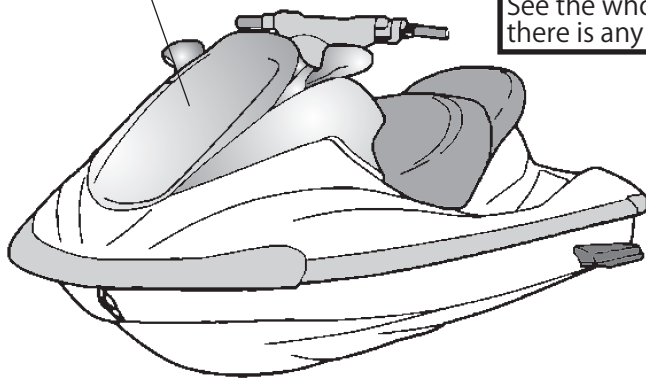
Note: Items in ( ) are to be inspected if they are onboard.

## 1.Check of a hull

- |                 |               |
|-----------------|---------------|
| 1.Hull          | 5.Shift       |
| 2.Hatch & Seats | 6.Jet intake  |
| 3.Handlebar     | 7.Jet nozzle  |
| 4.Throttle      | 8.Drain plugs |

### Hatch

Check whether it is closed.  
If it is open, shut it.

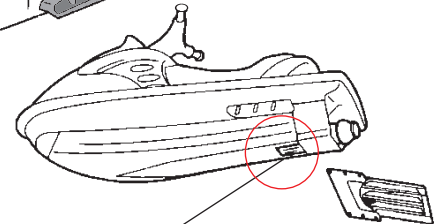
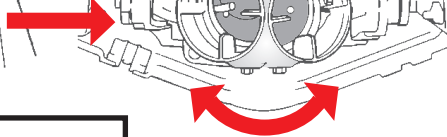
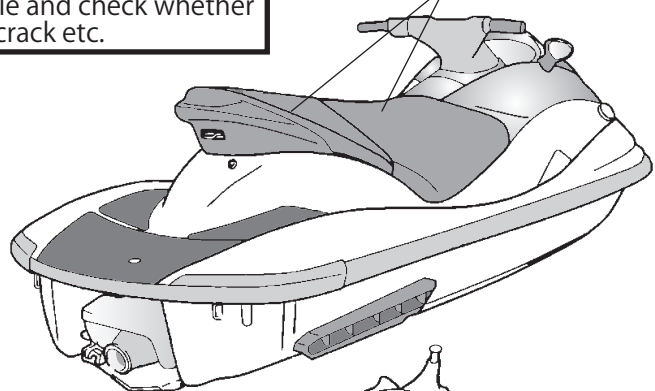


### Hull

See the whole and check whether there is any crack etc.

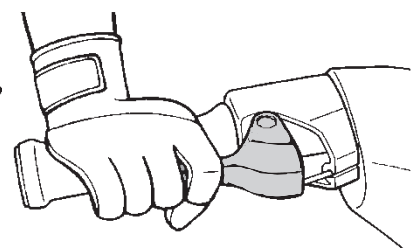
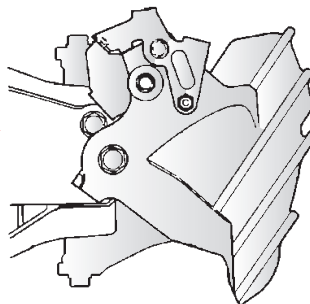
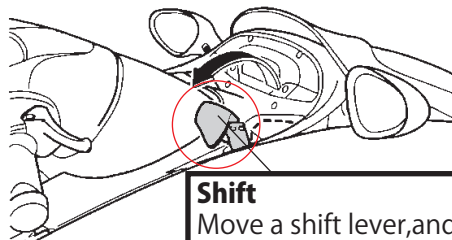
### Seats

Check whether they have separated.



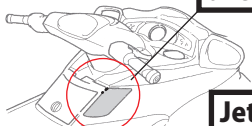
### Handlebar

Move a handle bar, and check whether a jet nozzle moves.



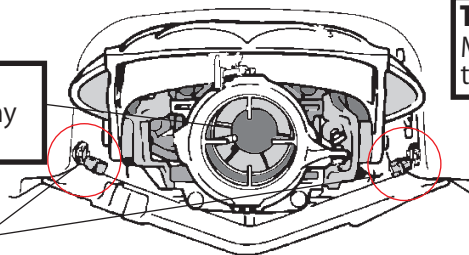
### Shift

Move a shift lever, and check a reverse gate moves.



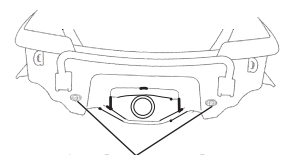
### Jet nozzle

Check whether there is any trush in the jetnozzle.



### Throttle

Move and check whether there is any sticking etc.



Another type

### Drain plugs

Check whether both are closed tightly.

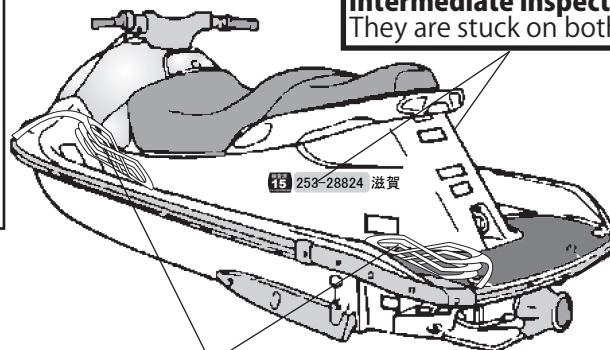
Drain plugs(another type)

## 2.Check of Legally Required Equipment and Documents

- 1.Life jacket
- 2.Red hand flare
- 3.Whistle
- 4.Mooring ropes
- 5.Ship inspection certificate
- 6.Record of marine boards of inspection

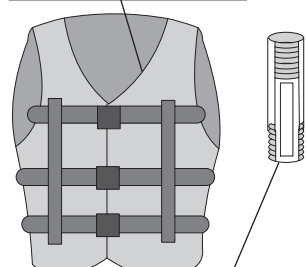
### Intermediate inspection completion card

They are stuck on both sides.



### Whistle

It is in a life jacket.



### Life jacket

### Red hand flare

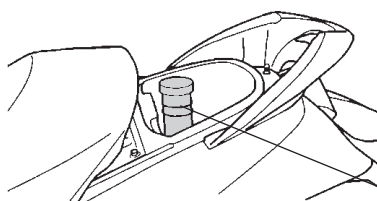
Check whether use has expired.

### Mooring ropes

Check whether they are damaged.

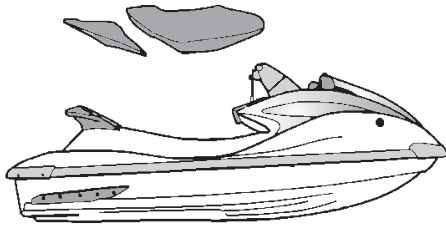
### Ship inspection certificate Record of marine boards of inspection

They are in this case.

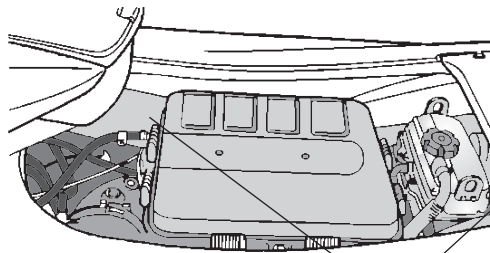


### 3. Check of Engine Relation (Machinery)

- |                       |                              |                    |
|-----------------------|------------------------------|--------------------|
| 1. Bilge              | 5. Battery terminal          | 9. Water separator |
| 2. Amount of fuel oil | 6. Battery electrolyte level |                    |
| 3. Engine oil         | 7. Fuel oil tank cap         |                    |
| 4. Battery instration | 8. A kill-switch cord        |                    |

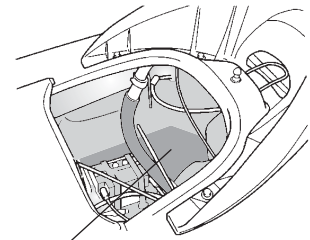


Remove the seats.



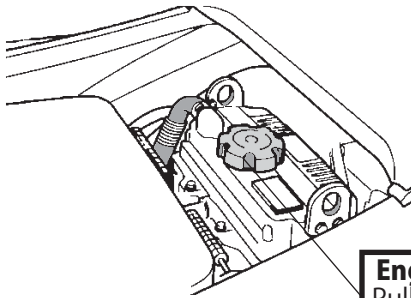
#### Bilge

Check whether there is no bilge.



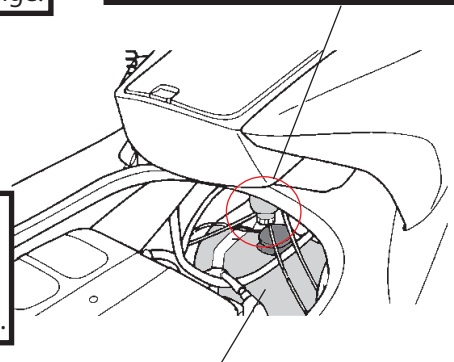
#### Water separator

Check whether there is no water and a drain plug does not loosen.



#### Engine oil

Pull out an oil-level stick and wipe out engine oil. Insert it to the back and check the quality and quantity of the engine oil adhering to it.

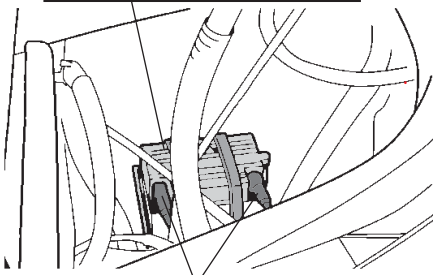


#### Fuel oil

Check whether it is fully.

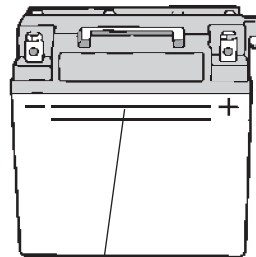
#### Battery instlation

Check whether it is fixed.



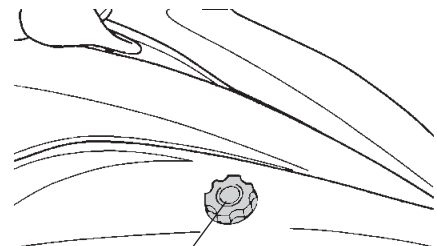
#### Battery terminals

Check whether both of terminals are not loosening.



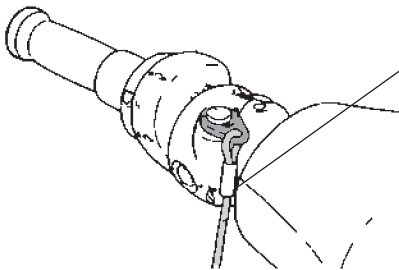
#### Battery electrolyte

Check whether a surface is between lower level and upper level.



#### Fuel oil tank cap

Fasten certainly after loosing a cap for ventilation.



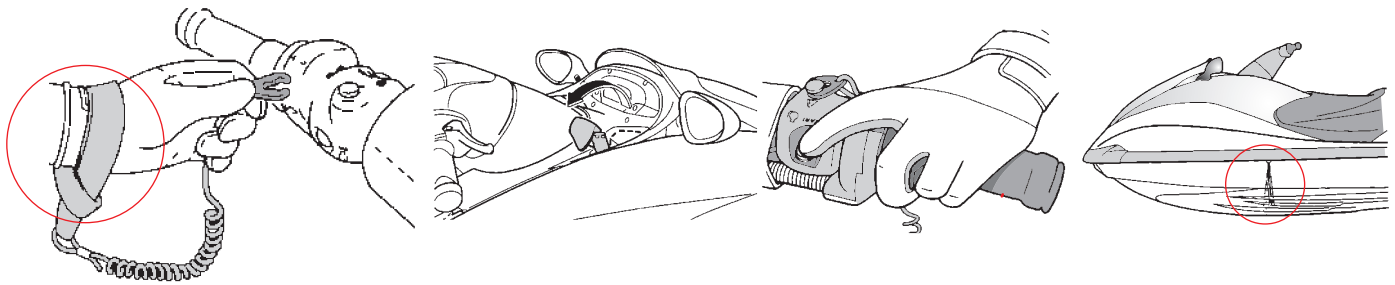
#### Kill switch coard

Check whether a kill-switch coad is attached in the grip. And Check whether there is damage.



# Operation

## 1.Engine Start



1.First, attach a kill-switch code in a wrist.  
2.Then attach it in a grip.

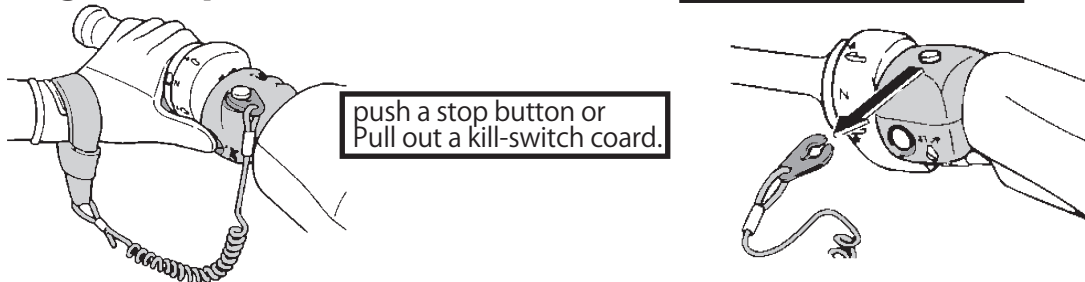
3.A lever is shifted to the reverse position.

4.After checking whether trash doesn't float in the surrounding and confirm the surrounding safety. Push a start button.

5.Check circulation of cooling water.

★It is O.K. by only pointing at near a water pilot.

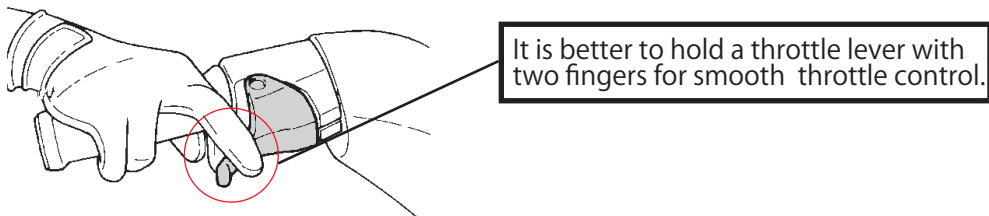
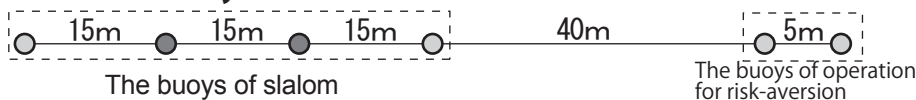
## 2.Engine Stop



push a stop button or Pull out a kill-switch cord.

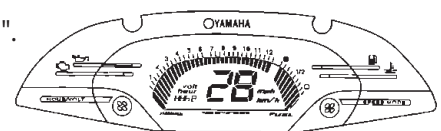
## 3.Run ahead / Turning / Operation for Risk Aversion (Course 1)

### Layout of the examination course



It is better to hold a throttle lever with two fingers for smooth throttle control.

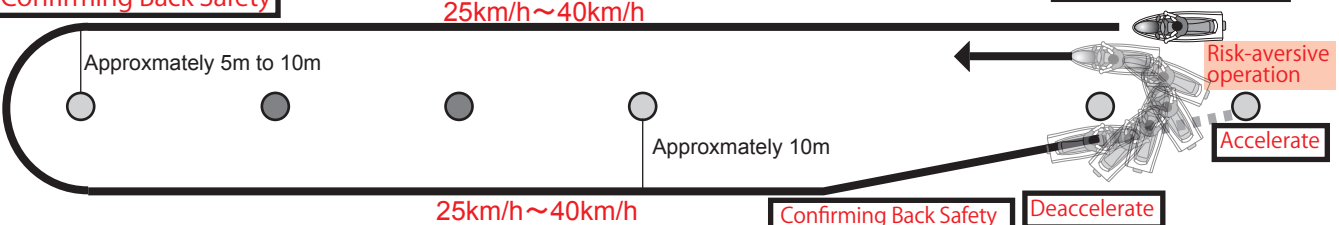
- ①After confirming safety,start from the side of the buoys of "Risk-Aversion".
- ②Go straight in more than speed per hour 25km.
- ③Confirm surrounding safety during going straight as well.
- ④After confirming back safety, Turn around the last buoy.
- ⑤After confirming back safety, run through between the buoys of "Risk-Aversion".



Confirming Back Safety

25km/h~40km/h

Confirming Safety

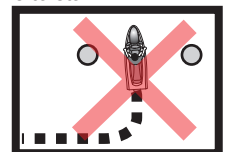
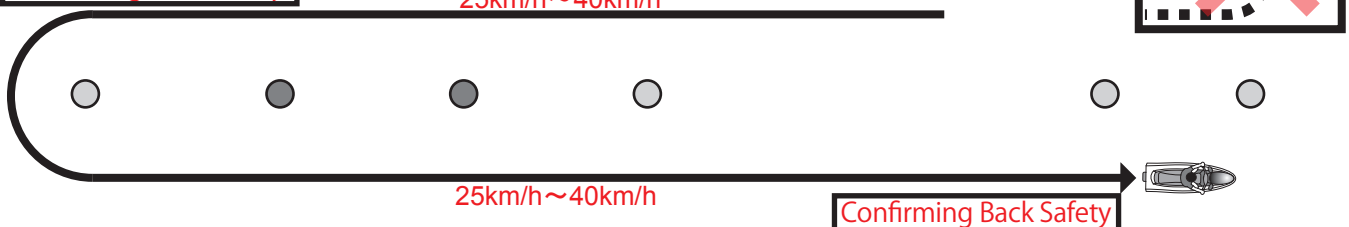


⑤Already run 1 round.

⑥After passing the side of slalom buys,confirm back safty and stop at the side of the buoys of "Risk-Aversion".

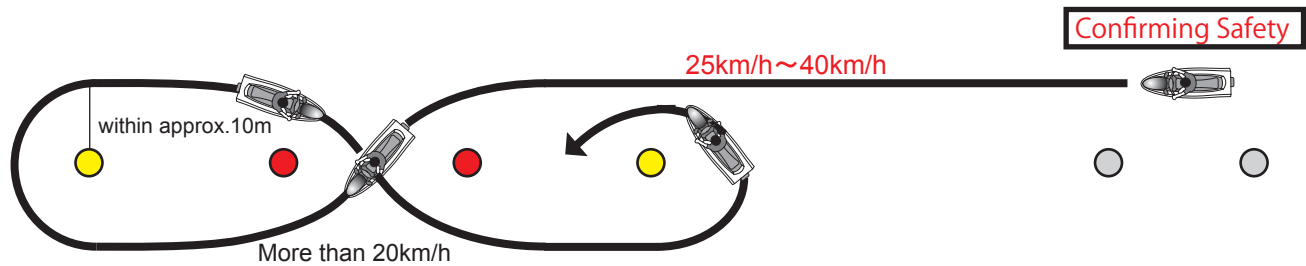
Confirming Back Safety

25km/h~40km/h

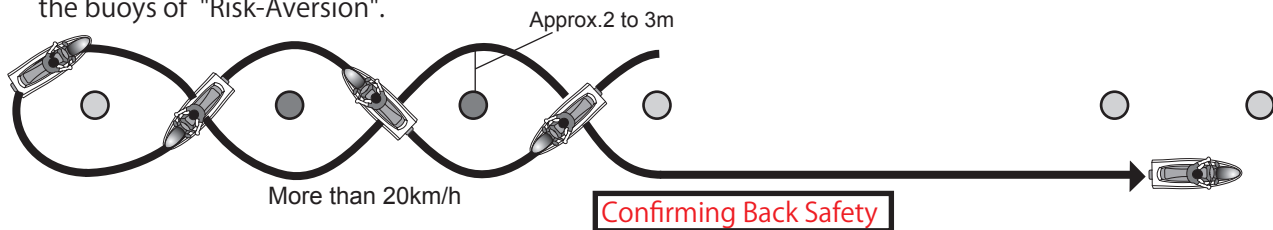


## 4. Figure 8 Slalom / Slalom (Course2)

- ① After confirming safety, start from the side of the buoys of "Risk-Aversion".
- ② Maintain approximately 25km/h to 40km/h in going straight.
- ③ Run through red buoys, and run around the last yellow buy.
- ④ Run through red buoys again, and run around the first yellow buy.

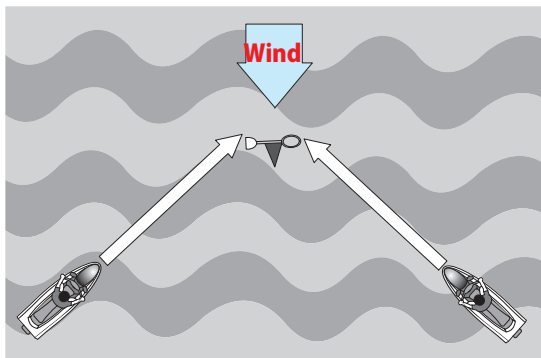


- ⑤ Continue to slalom each buoys.
- ⑥ After running through between the last red buoys and yellow one, confirm back safety, and stop at the side of the buoys of "Risk-Aversion".



## 5. Life Saving

- ① When you take directions for the stop, confirm back safety and release the throttle lever.
- ② Since the position of the buoy assumed as people is directed, after confirming the surrounding safety, go to rescue.
- ③ Give careful consideration to the surrounding safety during the approach as well.
- ④ Approach a buoy at idling speed, and pick it up. (If required, engine may be stopped or astern run may be used.)



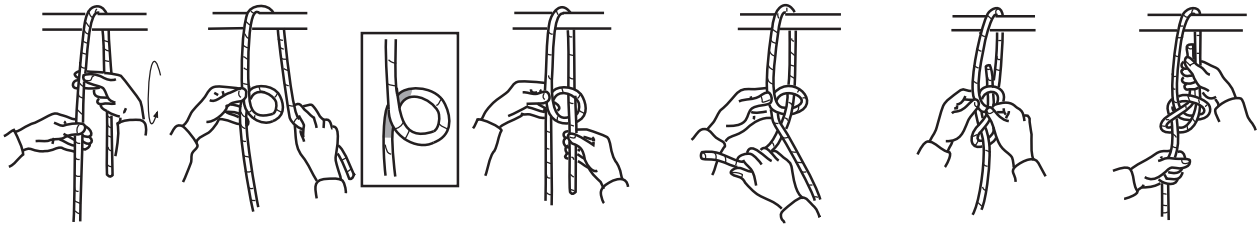
## 6. Attention

- ① Maintain approximately 25km/h to 40km/h in going straight.
- ② Do not mistake a course.
- ③ Do not strike slalom buoys.
- ④ Do not shake a fellow passenger off.
- ⑤ Do not strike a lifesaving buoy as much as possible.
- ⑥ Don't neglect a safety check.
- ⑦ If pounded on the shoulder, stop promptly.
- ⑧ Try smooth throttle operation.
- ⑨ Be careful of the fellow passenger's safety.

# Ropework

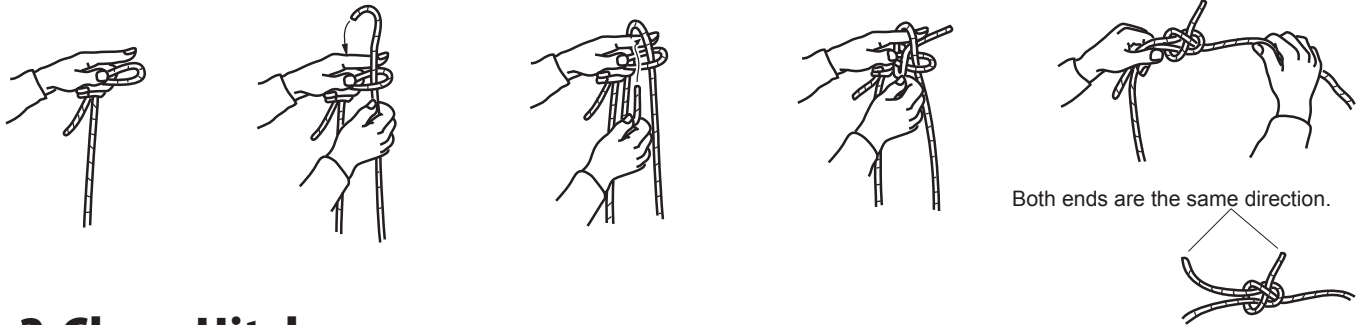
## 1. Bowline Knot

To connect a mooring rope etc. to a ring, a stake, etc. of a pier.



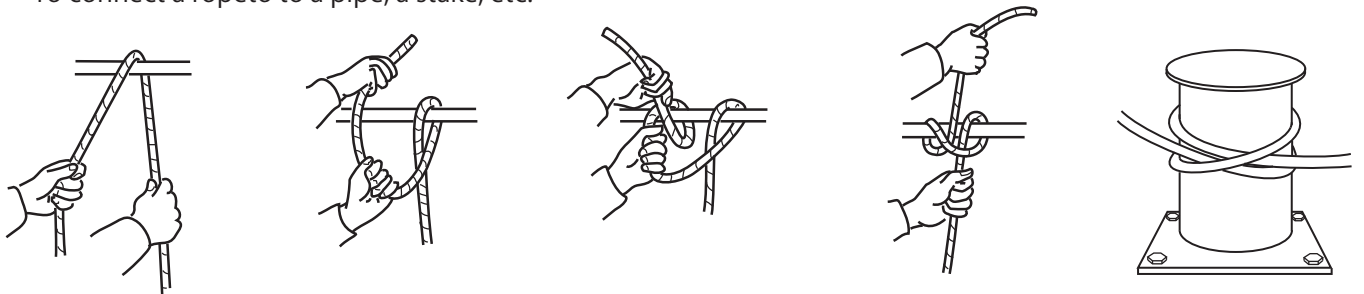
## 2. Seat Bend

To connect two ropes with which thickness is different.



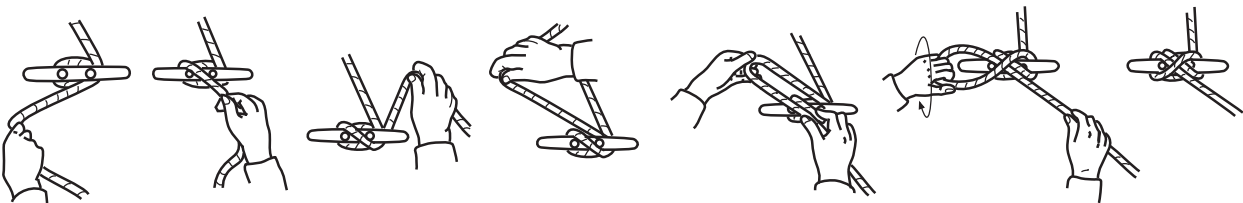
## 3. Clove Hitch

To connect a ropeto to a pipe, a stake, etc.



## 4. Cleating

To connect a mooring rope to cleat on a pier.



## Knotting Demonstration

1. One is set to an examination out of the above.
2. It is graded whether not how to knot but completed knot is made.