

HIGHLAND 35

USER GUIDE

Trawler by *Fountain Pajot*
— CATAMARANS —

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NAVIGATION

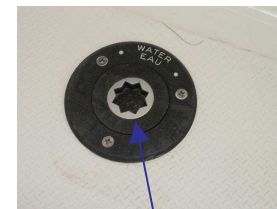
A) Leaving port:

Unlock all doors and lockers, and **check** that the bilges are free of water.

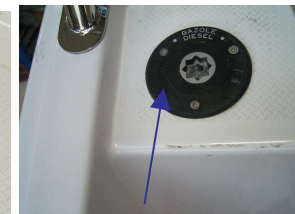
Close all hull portlights and deck hatches.

Fill :

- . the **water tanks** from the nable situated in front of the bridge.
- . **diesel tank** from the nables situated on the back port and starboard.



water



diesel

Check the levels of water and diesel on the post of bar.



gauge

Put in place outside the safety equipment (buoys, life raft, ...).



Check for the absence of fuel and gas vapors inside the boat.

Switch on the battery switches (port and starboard engine compartments) remote-controlled.



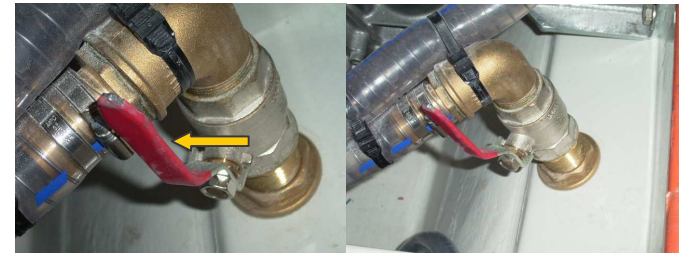
port compartment



starboard compartment

Caution
The circuit breaker *secours/démarrage* (Help/ Starting up) allows the coupling of parks batteries if a park is insufficient. He must be always disconnected as soon as the engine turns.

Check that the valve of the circuit of water of cooling is opened.



Switch on the electronic equipment: sounder, GPS, VHF,...

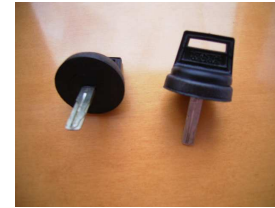
In strong winds, carefully chock or lash down anything that might move.

Check that the navigation lights are working before a night passage.

B) The engines :

1) Switch on.

Take the 2 keys.



Engage battery switches by activating switches on the distribution panel (in the entry).
Switches can be locking by inserting the small key.



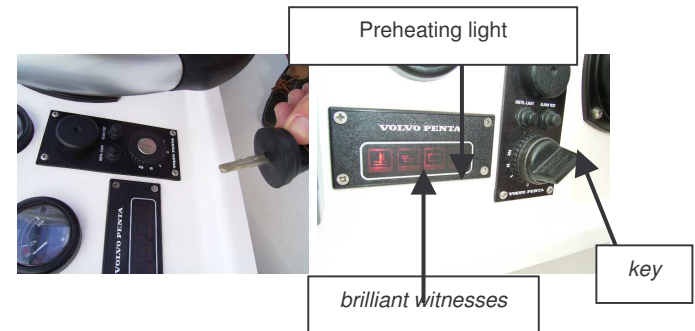
At the fly :

Insert every key into the corresponding lock (*position Off*)

Turn the key :

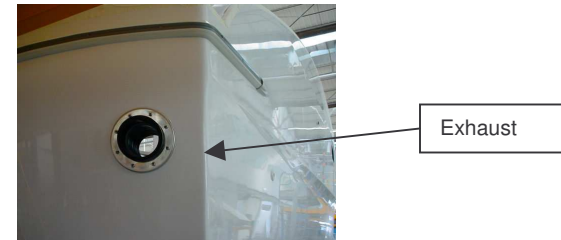
- * *position 1* : The brilliant witnesses light themselves.
- * *position 2* : preheating (light)
- * *position 3* : switch on

(Possibility of going up the driving regimes or to the neutral)



Check that cooling water is discharged from the exhaust and the anti-siphon thru-hull skin fitting.

In case of a fault, carefully read the engine manual.



Caution

Never activate the starter for more than about ten seconds for starting the engine because water could fill the exhaust system and damage the engine.

2) Stop.

To stop the engines, turn the key towards the left -hand side farther than the position Off until the stop of engines.



C) Navigation :

Increase the engine speed gradually to give the engines time to warm up.

Depending on the type of engines installed on board, **the continuous running rpm** and the maximum rpm differ.

Refer to the engines' manual.

The speed **must be adjusted according to the conditions of the sea** (slow the craft when sea state deteriorates).

Caution

When we have to leave for a moment the cockpit, for any reason, necessarily to engage again on the neutral position with the lever and press the 2 buttons N on the EDC panel.



D) Anchor :

Check that the starboard **engine** is running.

Check that the **circuit breaker** windlass is switched on.

Switch on the battery switches.

Press one of the two buttons – up or down of the hand controls, stowed in a case under the cover of the anchor locker.



➤ Setting the anchor.

Unhook the safety tackle, lower the anchor and the chain to the last few metres of the final desired length.



Attach onto the chain, the snap shackle from the **bridle** waiting in the anchor locker.

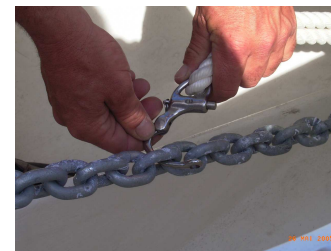


Let out the end of the length of chain desired until the tension of the mooring gear has been taken up by the bridle.



➤ **Raising the anchor.**

Raise the anchor as far as the bridle's snap shackle and **undo** the snap shackle from the bridle.



Raise the anchor **slowly**, making sure that the anchor is put into the anchor roller correctly.



Block the chain with the tackle intended for that use.



Caution

When running, keep clear of the windlass and the chain. In particular, pay a big attention on the protection of hands and feet.

If the load on the windlass is too great, the **circuit breaker** will operate.
Switch it back on to set the windlass running again.

E) On arrival in port:

Stop the engines

(See B2 for the details of the stop of engines)

Switch off all electrical installations at the 12 Volt electrical distribution panel.

Close all gas supply valves (on tank and appliances).

Check that the bilges are free of water.

Switch off the battery switches during extended stops.

COMFORT

A) Electrical installations :

1) 12 V DC system.

In the event that **the voltage** of one of the 2 battery sets is **too low** to start the engine, an *emergency start-up* switch connects the 2 battery sets.

Caution

Recharge batteries as soon as the tension is lower at 12V.

After the recharge of batteries service, disconnect the circuit breaker in order to isolate again the 2 parks of batteries.

2) 220V AC system : (option)

Switch off the 30 mA differential circuit-breaker on the 220 V (or 110 V) electrical control panel (connected to the shore power supply) before connecting or disconnecting the boat/shore supply cable.
Connect the shore power cord by unwinding it completely.

Regularly **check** the state of the câble.
If the cable is damaged, to replace it by an identical cable.



Caution

Never connect a shore power cord when the plug wet.

Turn shore / generator changeover switch to the right position (port engine compartment).

Check the presence of the current thank to the light on the differential earth-leak circuit breaker.

Close the differential earth-leak circuit breaker and the circuit breaker of the desired function (port engine compartment).

B) The refrigeration system :

Refrigerator 12 V galley.

Verify the state of load of the park battery service on the voltmeter of the chart table.

Switch off directly the refrigerator.

Set the refrigerator thermostat.

(For the maintenance, see the builder manual)



C) Gas :

Make sure that the valves on appliances are closed (in the galley cabinet) before opening the one on the cylinder (locker under the stairs).

Check that the gas cylinder is properly secured.

Each gas appliance is equipped with a safety system.
To light it, keep the button pressed down.

D) Water :

1) Freshwater system.

Open the valve of the tank. (starboard hanging closet)

Check that the **water heater** supply valve (starboard engine compartment) is always opened.



water heater



water heater supply valve

Switch on the *freshwater pump* function on the electrical distribution panel.

The deck shower is shut-off with a valve (starboard engine compartment).



2) Use of toilet.

Check that the valve of entry of sea water of the W.C. (In the bathroom closet) is open.

Use in high tide only except when the boat is equipped with Holding tank.

Place the toilet lever to the “Water in” position and pump for at least 10 strokes to evacuate and dilute the black water.

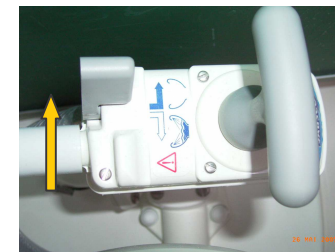
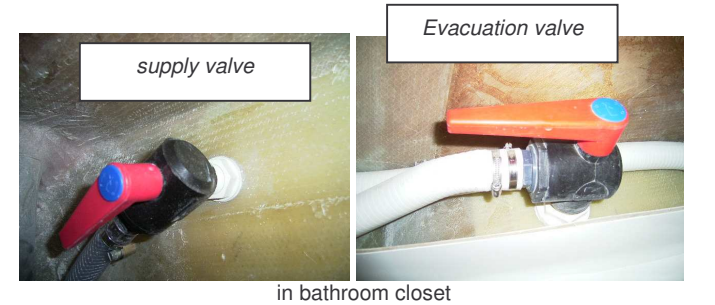
Place the toilet lever to the “Evacuation” position and pump for several strokes to completely empty the pan.

Repeat the operation at least twice.

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not contractual document

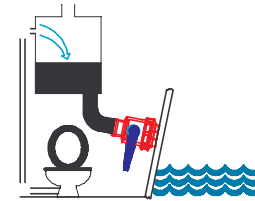
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3) Use of holding tanks.

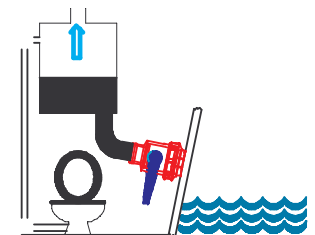
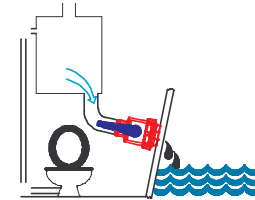
To **store the black** water in the holding tank: **close** the discharge seacock.

Caution :
Never force the pump
Storage capacity : 45 litres.



Regularly empty the holding tank :

- directly to the sea by opening the discharge seacock: Open the gate of evacuation **only to the wide.**
- on the dock by pumping from the “Waste” deck plate.



4) Discharge shower.

Switch on the *shower pump* function on the 12V electrical distribution panel.

Place the valve to the opened position for evacuated the shower and the washbasin in the bathroom under the washbasin.



Press on the black button to the right of the washbasin until the total draining of the shower.



5) Drainage.

- Cockpit :
Hand pump



- Engine compartment
Electrical pump

Switch on and select the function at the control panel.

- Hull :
Electrical bilge pump