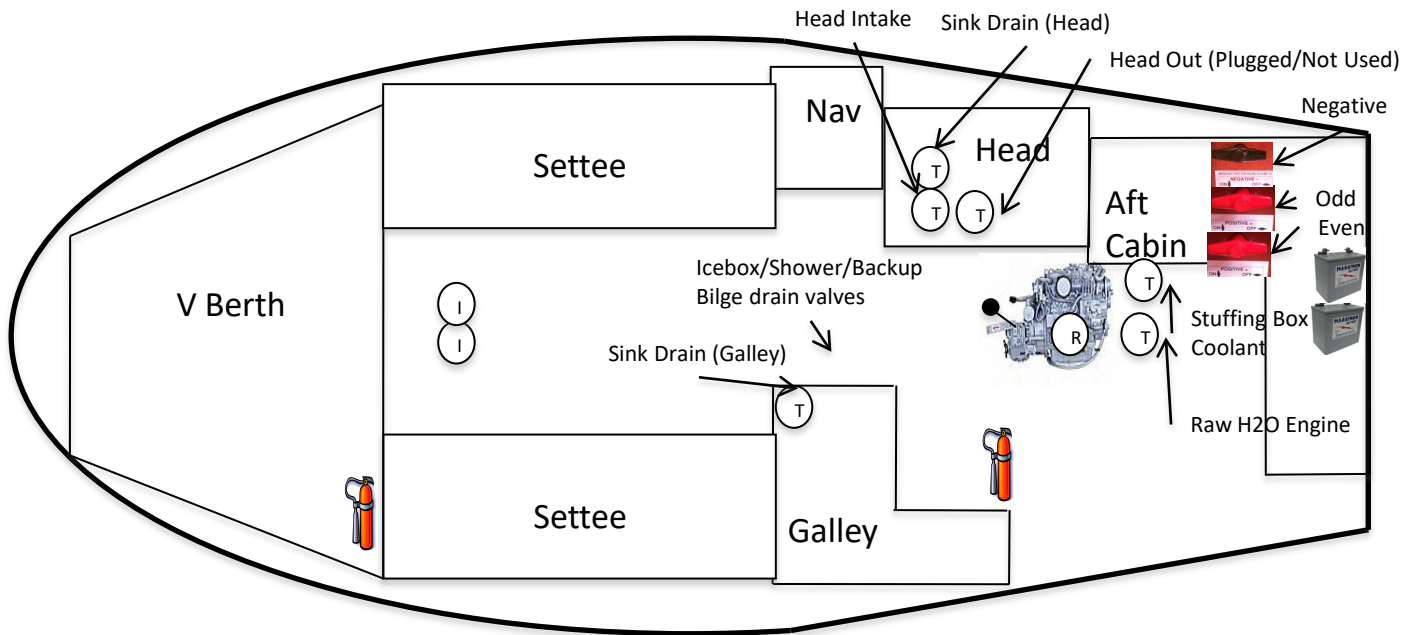










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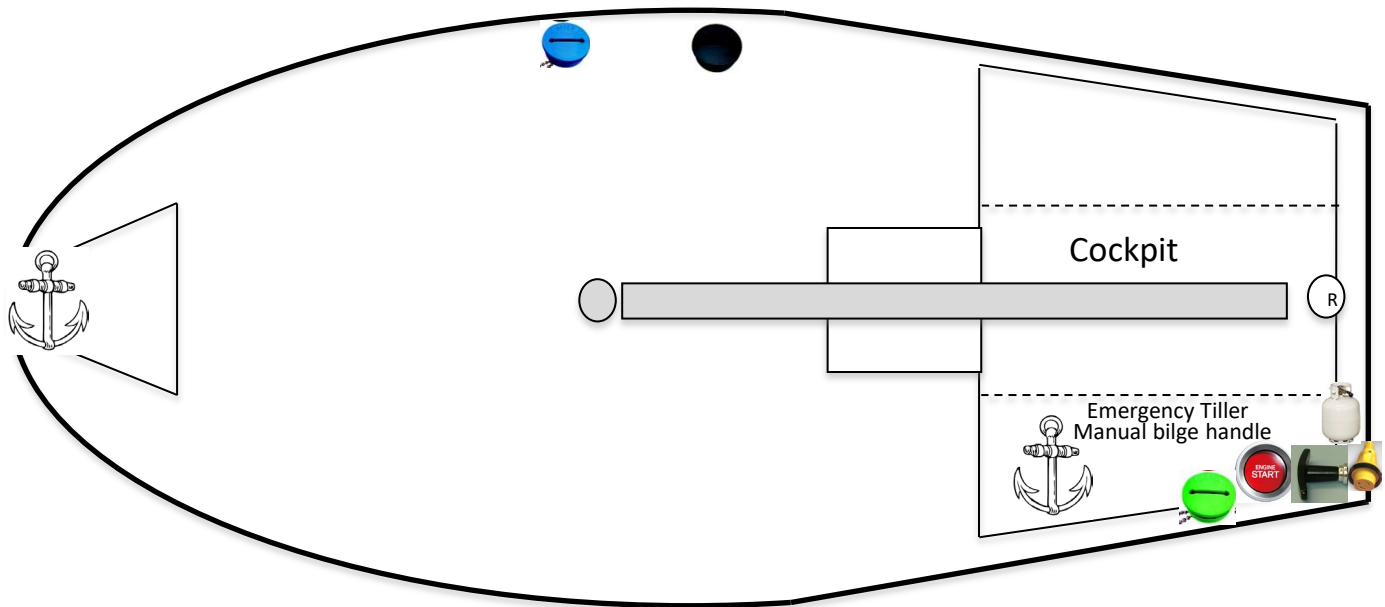


Legend











	Engine		(R) Radiator Fill Thru Hull With Seacock		Battery Switch (Pos)
	Oil Dipstick		(T) Thru Hull With Seacock		Battery Switch (Neg)
	Battery		(I) Instrument Thru Hulls		

Notes

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Legend

- | | | | |
|--|---|--|--|
|  Rudderpost |  AC Power cord |  Anchor |  Fire Extinguisher |
|  Deck Fill – Diesel |  Deck Fill – Waste |  Engine Kill | |
|  Deck Fill – Water |  Propane / CNG |  Engine Start | |

Forever After deck and hull photos:

Forever After below deck photos:

Forever After AC/DC, nav station and battery switches
photos:

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<p>Documentation</p>		<p>Forever After is a documented vessel. The documentation number: No. 1103969 is located under the port settee.</p> <p>The Discharge of Oil placard and the Garbage disposal placard are located affixed to the underside of the port lazarette lid.</p>
<p>Engine</p>		<p>Engine type: Yanmar 3GM30 Working RPM 2800 MAX RPM 3600 (Emergency Only) 2 blade fixed prop</p> <p>An engine hour counter is located on the engine instrument cluster at the port side of the helm station. It's a dedicated gauge in the upper middle.</p> <p>Access to the front of the engine is accessed by removing the companionway ladder. Oil, coolant, and belts may all be easily checked from this location. The ladder is held in place by two barrel bolts near the floor. The stairs are heavy, please be careful when removing and resetting them. The top edge ALWAYS fits UNDERNEATH the lip at the top.</p> <p>The engine oil dipstick is located on the starboard side. Access is through the circular hatch in the aft cabin. Please do not overtighten. Finger tight only.</p> <p>The coolant reserve is on the "wall" on the right as you face the engine. The coolant level should be between the low and full marks. There is no need to remove the pressure cap on the coolant tank if the reserve tank contains sufficient coolant.</p> <p>There are two belts to check, located at the front of the engine.</p>
<p>Fuel Gauge</p>		<p>The fuel gauge is located next to the engine hour counter. The DC switches and key must be on to energize the gauge. Forever after holds TBD gallons of fuel when full</p>
<p>Engine Start Up and Shut Down</p>		<p>Start Up The dashboard is mounted to the port aft side of the cockpit bench seat. To start, turn the key to "On", the low oil pressure alarm will sound. Push the adjacent "Start" button to start the engine.</p> <p>Shut Down The engine is shut down by pulling the T handle fuel shut off on the left side of the engine panel.</p> <p>There is an emergency fuel shut off located in the port lazarette beneath the seat. DO NOT use this pull lever except in the case that the normal engine shut off is not working. Activating this lever may result in the injectors needing to be bled before the engine will start.</p>

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<p>Electrical System</p>		<p>AC and DC Break Panel is found over the navigation station to starboard.</p> <p>AC The AC emergency breaker is TBD (I couldn't find it). The AC panel over the navigation station consists of five breakers.</p> <ul style="list-style-type: none"> • AC MAIN SHORE & REVERSE POLARITY breakers are bridged together (Green dot) • WATER HEATER • BATTERY CHARGER (Green dot) • OUTLETS (Green dot) <p>NOTE: All breakers except the water heater have green dots, and should be left on when the boat is secured at the dock. DO NOT leave the water heater turned on.</p> <p>DC A well labeled DC Panel is found adjacent to the AC Panel. The following are special notes regarding the DC Panel switches.</p> <ul style="list-style-type: none"> • The Instrument switch turns on the stand alone Furuno radar, the Raymarine chartplotter, wind speed, boat speed, and depth. • The auto pilot has its own breaker • The Garmin GPS/plotter is connected to the VHF breaker • The bilge pump is always in the "automatic" mode. Activating the bulge pump switch on the panel forces the bilge pump to run. Do not leave this switch in the on position. • There is a tank monitor in the aft compartment, it's turned on via TBD • The FRESHWATER PUMP switch must be on to operate the sink faucets (galley and head). <p>The battery switches are located in the aft stateroom. The black handle is the "Common" or "Negative" terminal and must be on to energize the system. There are two red handles, labeled Battery 1 and Battery 2. Battery 1 controls the House bank, and Battery 2 is the engine start battery.</p>

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<p>Thru Hulls</p>		<p>There are eight below water thru-hulls on Forever After, all of which have seacocks, and are well labeled. Two instrument thru-hulls are located under the v-berth and are accessed by opening the v-berth hatch.</p> <ul style="list-style-type: none"> • Three thru-hulls with sea cocks are located under the sink in the head. <ul style="list-style-type: none"> • Head Intake • Sink Drain • Holding tank output. This thru hull is not connected. Under no circumstances should you open this valve. • One thru hull is located under the sink <ul style="list-style-type: none"> ○ Galley sink drain • Two thru-hulls with sea cocks are found along the centerline under the aft stateroom mattress. <ul style="list-style-type: none"> • Raw water engine intake (MUST REMAIN OPEN) • Stuffing box coolant intake (MUST REMAIN OPEN). • There is a manifold under the floor next to the Nav table that contains the valves for the ice box drain, hot water maker drain, and shower sump. These valves allow those systems to drain into the bilge, for disposal overboard via the bilge pump. Therefore, if you need to drain the shower or ice box, you must open the appropriate valve. Please close them when no longer in use. • The instrument thru hulls are located underneath the forward salon floor. Only one, boatspeed and depth, is currently in use. The second has a Raymarine plug in it.
<p>Head(s)</p>		<p>There is one manual operation head on Orion. Fresh water from the head sink may be used to flush the toilet and/or waste line to the holding tank.</p> <p>The holding tank is above the head. The head pumps directly into the holding tank, there is no Y valve. The holding tank discharge thru hull is located under the head sink and must NOT be operated.</p>
<p>Fresh Water System</p>		<p>There is one 48-gallon fresh water tank, found under the port salon v-berth mattress. The deck fill is forward to starboard.</p>
<p>Anchor and Ground Tackle</p>		<p>Primary Anchor A 15 lb Bruce style primary anchor, with a combination chain/nylon rode is mounted in a bow roller.</p>

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		<p>Secondary Anchor A 15 lb Danforth style primary anchor, with a combination chair/nylon rode is mounted on the stern pulpit port side.</p> <p>Kellet/Sentinel A kellet with sentinel is stowed in the Starbord lazarette.</p> <p>Windlass There is a windlass. The circuit breaker is located on the bulkhead adjacent to the microwave. It must be turned on, with the engine running above 1500 rpm. The up down switch is located in the anchor locker.</p>
Draft / keel type		Forever After draws 4.5', and has a fin keel with wing/bulb
Refrigeration		<p>There is a refrigerator/ice box on Forever After. The system is turned on at the DC Panel. The temperature control is found inside the refrigerator unit.</p> <p>Pump out of the Ice Box is accomplished via gravity draining into the bilge. Please open the ice box valve on the underfloor manifold.</p>
Stove		<p>There is a gimballed, two burner stove/oven combination. It takes approximately 15 minutes for the oven to reach 350 degrees.</p> <p>The propane tank is located in a locker found in the aft/port lazarette. The GAS VALVE switch is found on the DC Panel.</p> <p>Pots and pans are found in the pantry next to the sink.</p>
Barbeque		There is no BBQ on Forever After
Instruments		<p>All instruments are activated by the INSTRUMENT switch on the DC panel:</p> <ul style="list-style-type: none"> • Stand Alone Furuno radar at the helm • Raymarine chartplotter at the helm • Sailing instruments (wind, and boat speed/depth) at the helm <p>The VHF and Garmin chartplotter at the nav station share the VHF radio switch.</p> <p>The Sirius radio is connected directly to the HOUSE battery. .</p>
Running Rigging		<p>Mainsail Forever After has a battened in mast furling main. Reefing is continuous.</p> <p>Jib There is a 90% roller furled jib.</p> <p>The main sheet and a spare halyard run through a clutch assembly to starboard of the companionway entrance.</p>

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