



Volume 2

MEDLINE 7.5

612 529 A



CAREFULLY READ THIS MANUAL BEFORE PUTTING YOUR ZODIAC INTO SERVICE.

VOLUME 2

DESCRIPTION - BUOYANCY TUBE PROPULSION SYSTEM INSTALLATION AND CIRCUITS

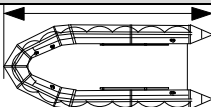
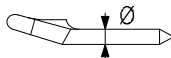
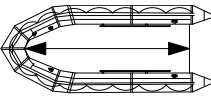
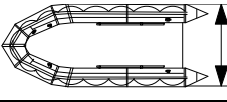
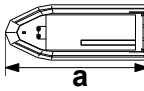
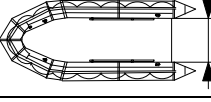
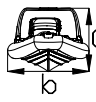
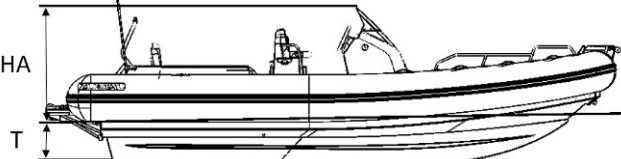
CONTENTS

I-1-TECHNICAL CHARACTERISTICS	4
I-2 INVENTORY AND LOCATION.....	8
I-3- LOCATION OF ACCESSORIES.....	11
I -4-HANDLING	12
I -4-1-Transport	12
I -4-2-Storage.....	13
I -4-3-Lifting	14
II -1-MAINTENANCE OF THE BUOYANCY TUBE	15
II-2 INSTALLING THE BUOYANCY TUBE ON THE HULL.....	15
II -3-SECURING THE PROTECTIVE FLAP	16
II-4 INFLATING THE BUOYANCY TUBE	17
II -5-PRESSURE	19
III - Propulsion system	20
IV - How to drive your boat	21
V-1 FUEL CIRCUIT.....	22
V -1-1-Location of items	22
V -1-2-Tank	23
V -1-3-Fuel/water separator filter	24
V-1-4-Using the fuel circuit cut-off valves.....	25
V -1-5-Recommendations.....	26
V -2- ELECTRICAL CIRCUIT.....	27
V -2-1- General wiring diagram	27
V -2-2-General wiring plan	29
V -2-3-Location of items	33
V -2-4-Circuit-breaker.....	33
V-2-5-Battery (not supplied):	34
V -2-6 Navigation lights	35
V -2-7-Wiring an accessory.....	35


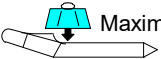
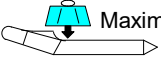
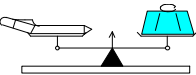
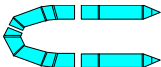
V -2-7-Wiring options:	36
V-3 INSTALLATION OF THE DRAINING SYSTEMS	39
V-3-1-Description of the essential functional elements	39
V-3-2 Draining of water from the deck	39
V-3-3-Bilge pump.....	40
V-3-4-Hull drain hole	41
V-4 STEERING.....	42
V-5 FIRE	42
V-6 SHEATHS.....	42
V-7 ANCHORING/MOORING.....	43
V -8-BOARDING	45
VI-1-POSITION OF LABELS.....	46
VI-2 DESCRIPTION OF LABELS.....	47
VII -1-Installing elements that come non-mounted.....	48
VII-1-1 WINGS.....	48
VII-1-2 JUMP SEATS	51
VII -2-Installing optional elements	53
VII-2-1 POLYESTER ROLL BAR	53

DESCRIPTION - Technical characteristics

I-1-TECHNICAL CHARACTERISTICS

Dimensions						
Dimension tolerance +/- 3%						
	m	6.99	 Buoyancy tube diameter	m	0.6	
	ft	22' 11"		ft	1' 12"	
	m	6.8	Without the buoyancy tube	a	m	7.1
	ft	22' 4"			ft	23' 4"
	m	2.9	 a	b	m	2.555
	ft	9' 6"			ft	8' 5"
	m	1.667	 b c	c	m	2
	ft	5' 6"			ft	6' 7"
 HA T		HA (mm)	1650	Max. air draught		
		T (mm)	552	Max. draught		

Design category	
CE (Directive 2013/53/EU)	B / C

Capacity					
Weight tolerance +/- 5%					
 (ISO)			B	C	
			7*	17	
 Maximum ISO 14946	kg	1310	2000	Maximum load i.a.w. ISO 14946 (1+2+3+4) data figuring on the ICNN certificate. Maximum load i.a.w. ISO 14945 (1+2+3+5) data figuring on the manufacturer plate. <div><div>1. Weight of people</div><div>2. Personal property</div><div>3. List of all options proposed</div><div>4. Content of consumable liquid tanks (fuel, drinking water...)</div><div>5. Weight of the engine or engines</div></div>	
	lb	2888	4409		
 Maximum ISO 14945	kg	1330	2020		
	lb	3241	4497		
		kg	1090	The weights indicated do not include any accessories	
		lb	2403		
Number of compartments 		5			



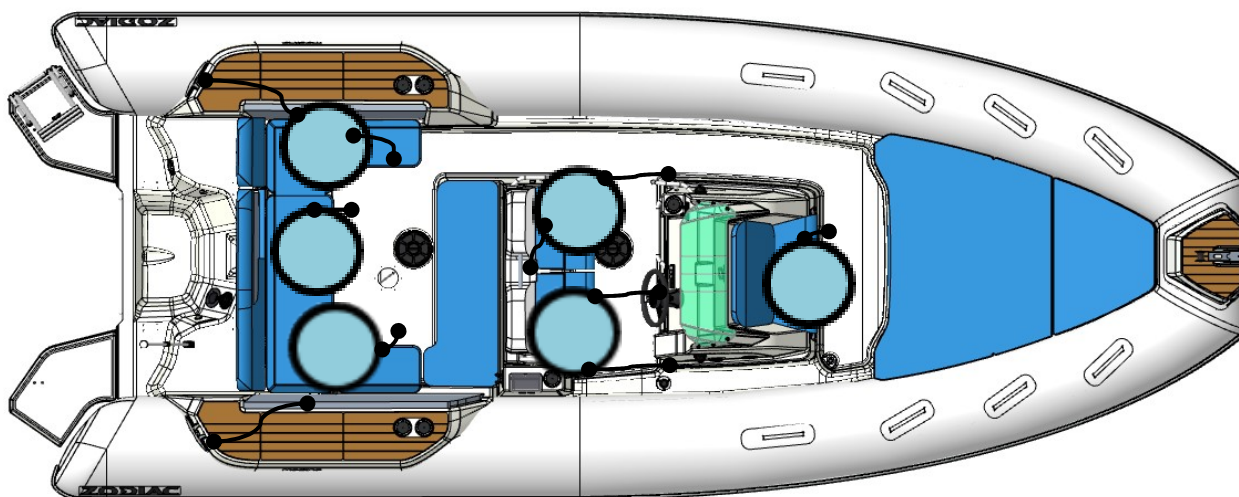
* WARNING

The number of people for category B depends on the number of seated places at the back (half of the boat).

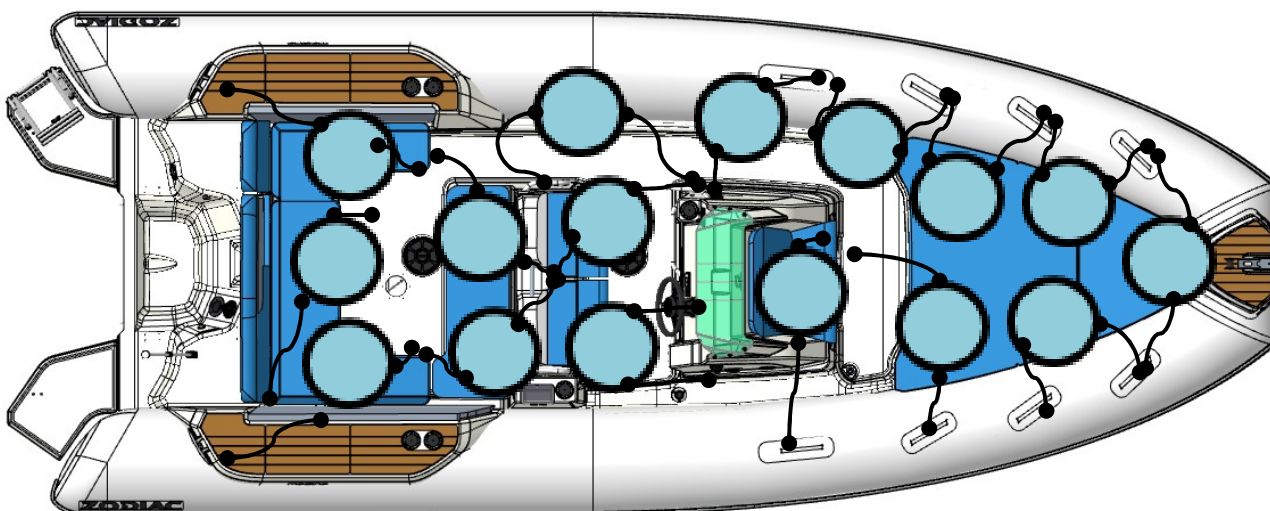
Passengers should also be able to hold on to a handle.

DESCRIPTION - Technical characteristics The necessary parameters are missing or incorrect.
The necessary parameters are missing or incorrect.

MEDLINE 7.5
CAT B








MEDLINE 7.5
CAT C



WARNING!

Do not exceed the maximum number of people recommended.
 No matter how many people are on board, the total weight of passengers and equipment must never exceed the maximum recommended load.
 Always use the designated seats or seating areas.

Engine

 Long	Shaft length		SINGLE ENGINE		
			XL		
	Minimum recommended power	HP	175		The recommended power corresponds to optimal use of the boat's capacities for an average load.
		kW	130		
	Maximum recommended power	HP	250		
		kW	185		
	Maximum allowed power	HP	300		
		kW	225		
 Maximum	Maximum engine weight	kg	300		
		lb	661		

DESCRIPTION - Technical characteristics

NOTE: The maximum authorized power, when greater than the maximum recommended power, must be used with extreme caution. It is intended for experienced users, using their boat under very specific conditions (transport of heavy loads, etc.). See the "Sailing advice" chapter in Volume 1 of the manual.

**WARNING!**

WHEN LOADING THE BOAT, NEVER EXCEED THE MAXIMUM RECOMMENDED LOAD. Always load the boat carefully and distribute the load appropriately, to maintain the theoretical trim (approximately horizontal). Avoid placing heavy loads high up.

**WARNING!**

THE MAXIMUM LOAD ON THE MANUFACTURER'S PLATE SHOULD NOT BE EXCEEDED.

We recommend, when the boat is at maximum capacity:

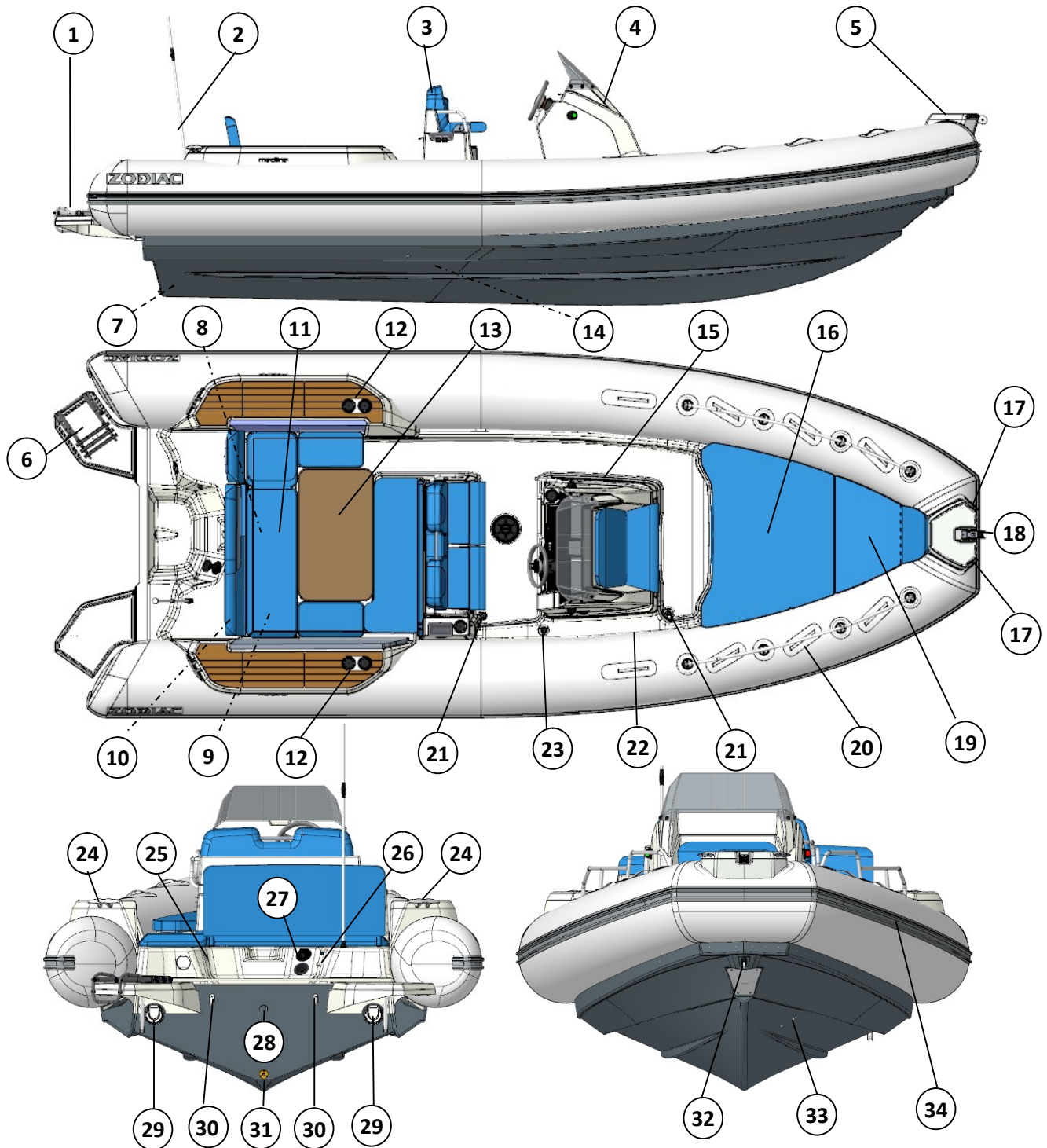
- Navigate cautiously
- Distribute the load evenly
- Maintain appropriate trim.

**WARNING!**

DO NOT STORE FLAMMABLE PRODUCTS IN THE REAR COMPARTMENT.
IT IS STRICTLY FORBIDDEN TO STORE A SPARE FUEL TANK.

DESCRIPTION - INVENTORY and Location

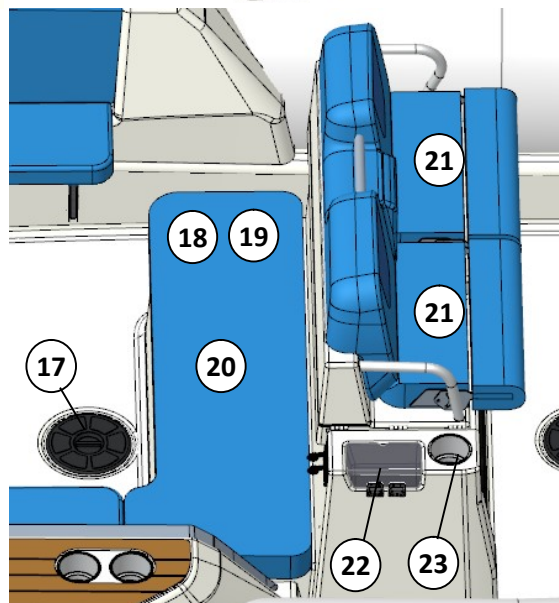
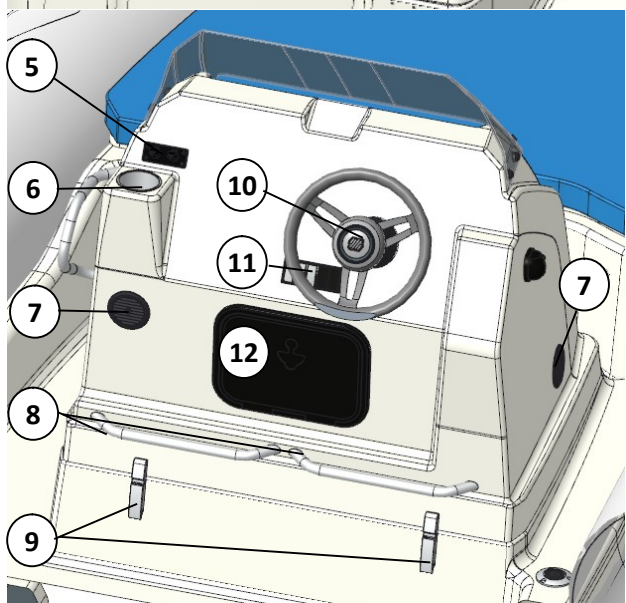
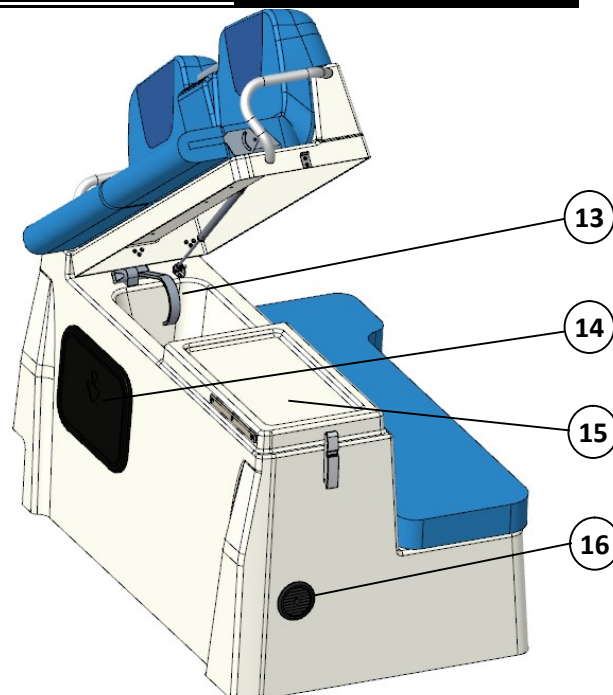
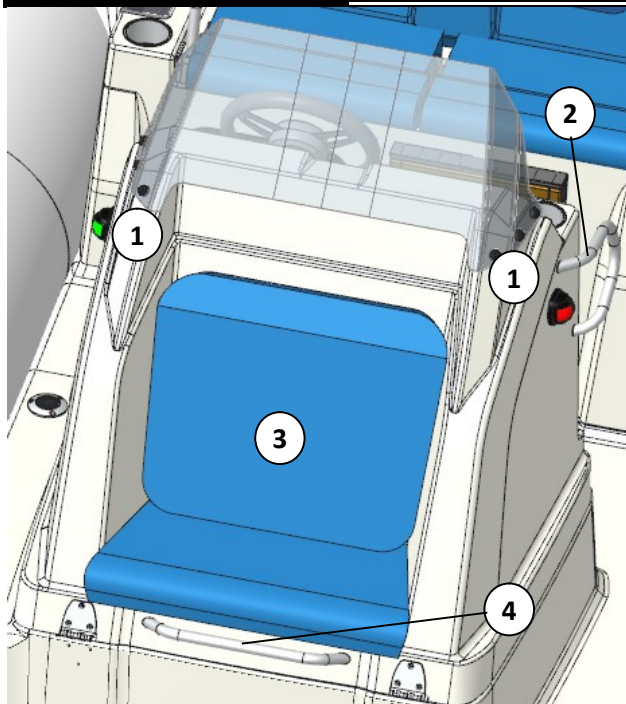
I-2 INVENTORY AND LOCATION



DESCRIPTION - INVENTORY and Location

Ref.	DESCRIPTION
	Polyester hull with counter-moulded and anti-slip deck
1	Aft platform
2	White navigation light
3	Bolster assembly
4	Console assembly
5	Bow roller assembly
6	Boarding ladder
7	Electric bilge pump
8	Battery (box)
9	Water/fuel separator filter
10	Battery switch
11	Rear locker
12	Cup holder
13	Picnic table
14	Fuel tank assembly
15	Locker under console
16	Forward locker
17	Forward anchoring cleats
18	Removable sheave
19	Anchor locker
20	Handhold
21	Deck drain
22	Inflation/deflation valves (X5)
23	Bow chain plate water tank filling
24	Aft anchoring cleats
25	Bilge pump outlet
26	Tank vent
27	Hydraulic steering system and engine wiring harness - cable deck seal
28	Engine recess drain
29	High flow rate self-bailer
30	Towing chain plates
31	Hull scupper
32	Bow chain plate
33	Anchor locker drain
34	Rubbing strip
	Removable buoyancy tube with wide rubbing strip, grab lines and long cones.
STANDARD EQUIPMENT	
	2 telescopic paddles, 1 foot inflator, 1 repair kit, 1 owner's manual (2 volumes), 1 pressure gauge.

DESCRIPTION - INVENTORY and Location



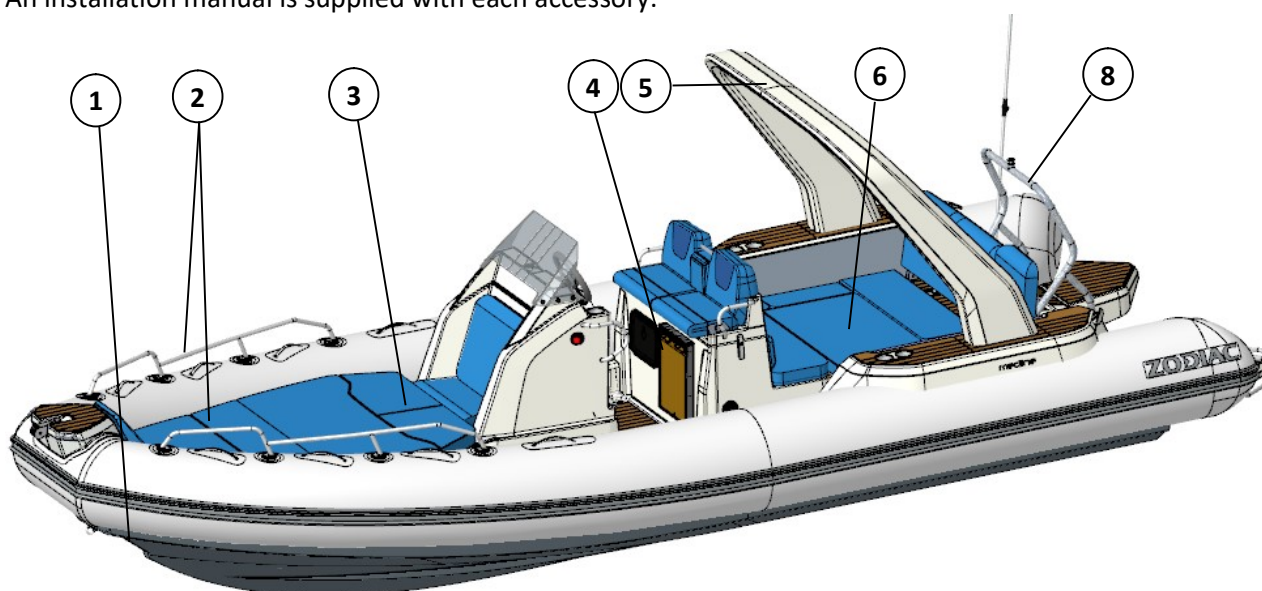
REF.	DESCRIPTION
1	Red/green navigation light
2	Handrail
3	Front seat
4	Handrail
5	12V socket and USB plug switch
6	Cup holder
7	Ventilation
8	Foot braces
9	Toggle fasteners
10	Steering wheel, hydraulic steering
11	Bilge pump/navigation light switch

DESCRIPTION - INVENTORY and Location

REF.	DESCRIPTION
12	Console access hatch
13	Sink
14	Bolster access hatch
15	Work surface
16	Fuel vent
17	Fuel valve access hatch
18	Fuel overflow
19	Fuel filling
20	Bolster aft locker
21	Bolster seats with fold-up system
22	Glove compartment
23	Cup holder

I-3- LOCATION OF ACCESSORIES

An installation manual is supplied with each accessory.



REF.	DESCRIPTION
1	Fore windlass
2	Forward pulpit
3	Forward sun lounger extension
4	Refrigerator
5	Polyester roll bar
	Bimini with frame
	Bimini without frame
6	Aft sun lounger
8	Ski mast
	EVA deck
	Fusion audio system, radio, mp3, aerial, 2 x 200-watt loudspeakers
Other options available. See your ZODIAC dealer	

I -4-HANDLING

I -4-1-Transport

Trailer installation recommendations are specified in VOLUME I of the owner's manual.

Use a trailer adapted to your boat.

The boat is compatible with standard road gauge. It is designed to be transported inflated.

The weight in transport conditions for a trailer includes:

Unladen weight of the boat:	1,090 kg	<i>Tolerance +/- 5 %</i>
Weight of the engine(s):	300 kg	<i>Weight of the engine + battery</i>
Consumable quantity:	280 kg	<i>Fuel tank and freshwater tank</i>
Options:	190 kg	<i>Model including all options</i>
Safety equipment:	95 kg	<i>Equipment + anchoring</i>
Σ:	1,955 kg	



STOWING ON A TRAILER OR CRADLE:

Use the bow ring and the rear chain plates on the outside of the transom.



RECOMMENDATION: IF TRANSPORTED WITH BUOYANCY TUBE DEFLATED!

TO AVOID DAMAGING THE CONE ENDS, WE RECOMMEND YOU USE THE TRANSPORT STRAP KIT (OPTIONAL EQUIPMENT)...

DESCRIPTION - Handling

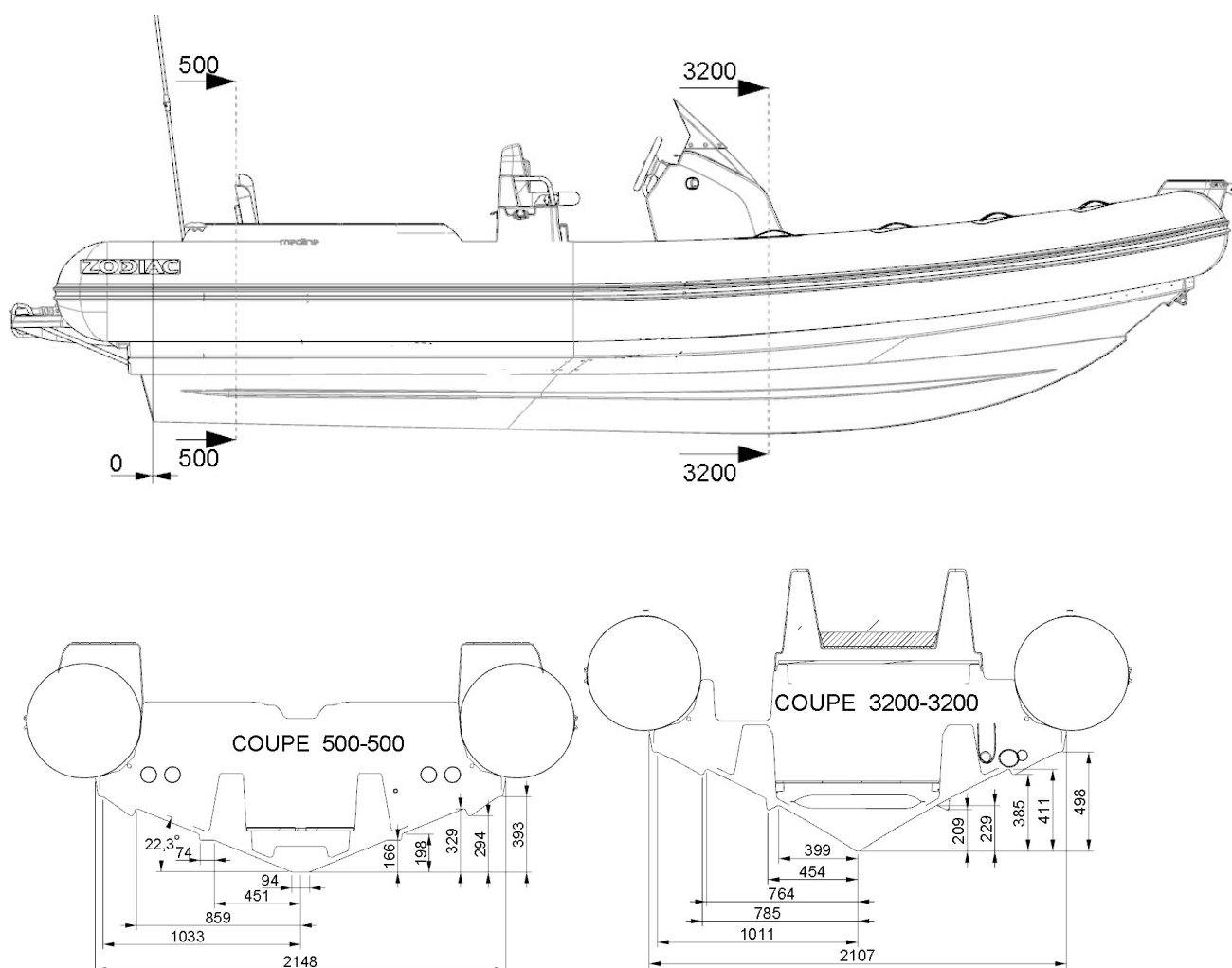
I-4-2-Storage

The console can be tilted, the backs removed to optimise the height of the boat for storage.



WARNING!

**The boat must rest on the bow line.
See diagram below.**



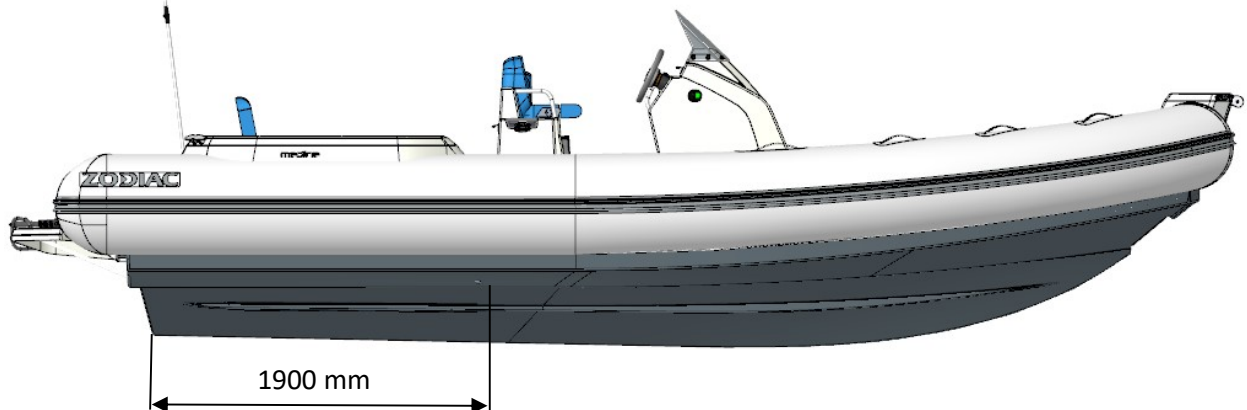
DESCRIPTION - Handling

I-4-3-Lifting



WARNING

The boat has no lifting fittings. Hoisting requires passing suitable lifting straps under the hull.



* Estimate of the centre of gravity with the heaviest engine, options excluded.



WARNING

Lifting must be carried out by professionals.



DANGER!

No passengers on board while hoisting



WARNING!

All equipment must be unloaded from the boat for lifting or davit handling.

Before launching the boat, open the aft drain hole to drain any rainwater from the bottom of the bilge (close the drain hole before launching).

BUOYANCY TUBE – Installing the buoyancy tube on the hull

II -1-MAINTENANCE OF THE BUOYANCY TUBE

Your boat's buoyancy tube is made of NEOPRENE CSM-CR **1670** Decitex fabric, 1500 g/m².

The maintenance recommendations are specified in VOLUME I of the owner's manual.

II-2 INSTALLING THE BUOYANCY TUBE ON THE HULL

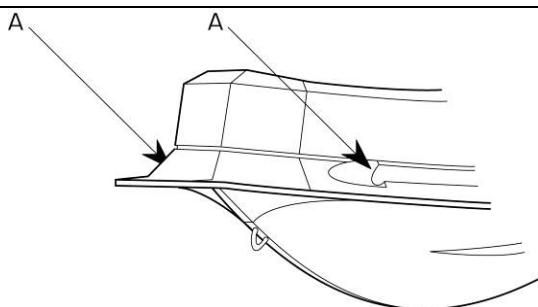


If the buoyancy tube has been stored at a temperature below 0°C, leave it for 12 hours at room temperature (20°C) before unfolding it.

You can inflate the non-installed buoyancy tube (pressure 240 mb) and let it stabilize for around one hour. Then deflate it.

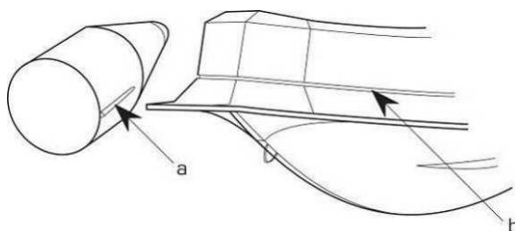
NOTE: the buoyancy tube is fitted to the hull with the buoyancy tube deflated

1



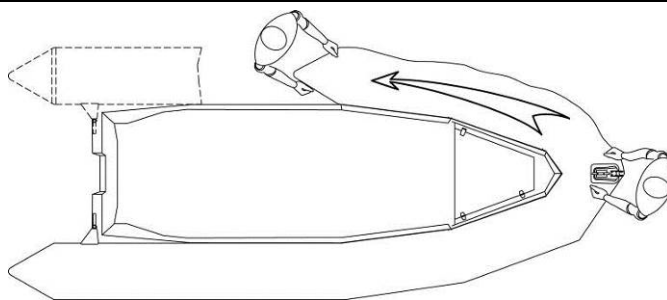
In order to facilitate the fitting of the buoyancy tube, apply liquid soap to the hull's rails (A).

2



Place the buoyancy tube bolt rope (a) in the hull rail (b) starting with the front of the hull. Pull the buoyancy tube to bring it to the water guard near the transom.

3



Repeat for the other side of the buoyancy tube.

The two protective flaps (sealing and exterior) should pass over the hull's nose.

II -3-SECURING THE PROTECTIVE FLAP

Fastening with inserts:

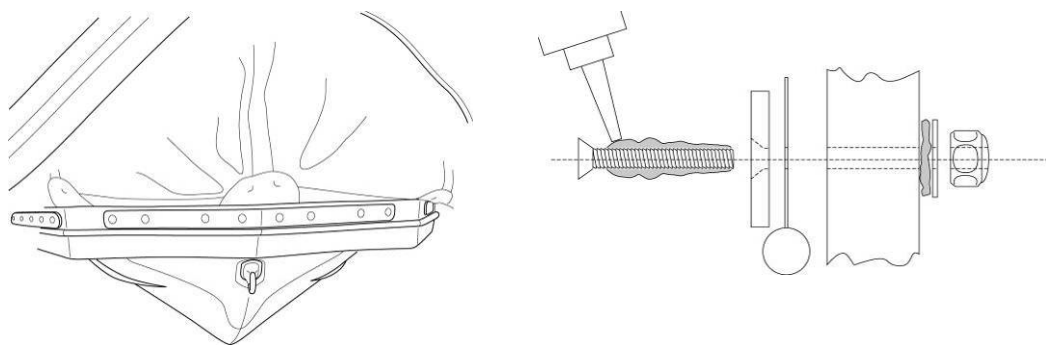
4



Place the buoyancy tube and make fast the outer flap (buoyancy tube deflated) using the stainless steel bars and the screws supplied in the buoyancy tube kit. To ensure that the assembly is mechanically secure, apply medium strength threadlocker to the screws.

Fastening with bolts:

4



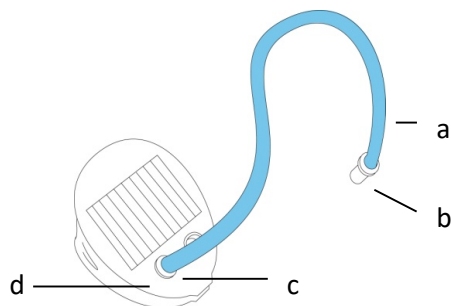
After inflating the buoyancy tube (see the chapters below), secure the outer flap using the stainless steel bars and screws provided in the buoyancy tube kit. Apply sealing compound on all the screws and in the hull holes to achieve watertightness.

BUOYANCY TUBE - INFLATING THE BUOYANCY TUBE

II-4 INFLATING THE BUOYANCY TUBE

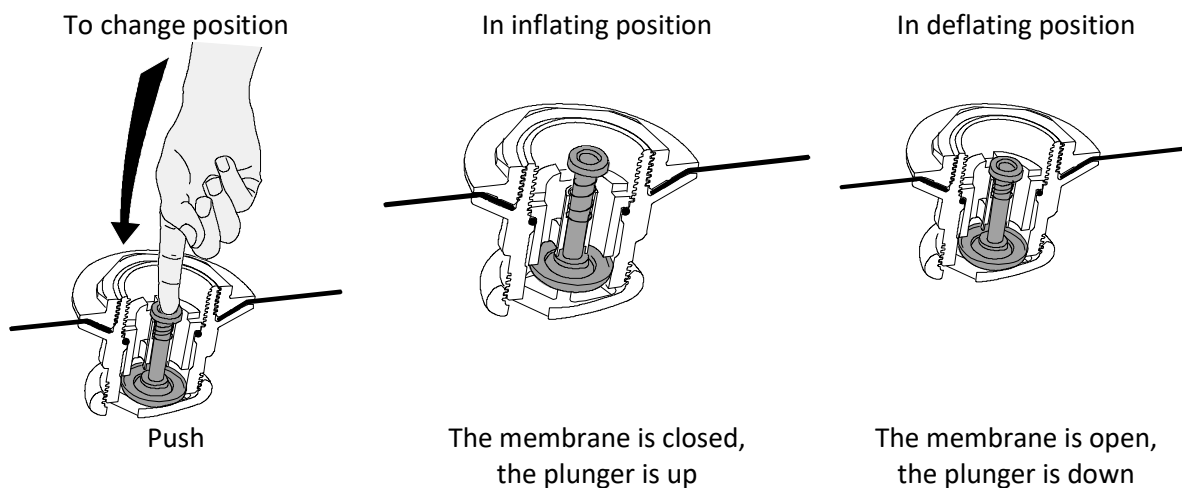
INFLATOR

- a. tube end
- b. adaptor
- c. tube base
- d. inflation valve



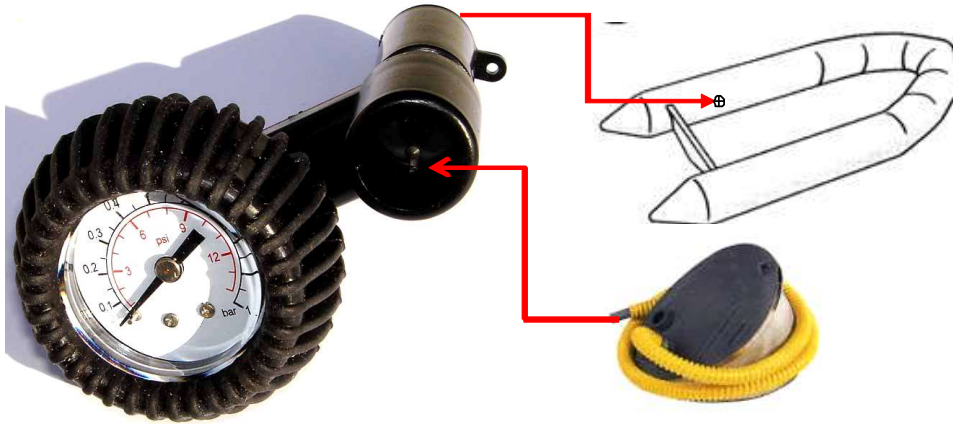
NOTE: An electrical (12 V) high output inflation pump is available as an option (contact your dealer).

"EASY - PUSH" VALVES



BUOYANCY TUBE - INFLATING THE BUOYANCY TUBE

PRESSURE GAUGE



WARNING!

Do not use a compressor or compressed air cylinder.

INFLATION

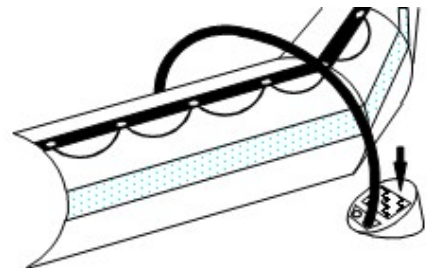
1/ Place all valves in inflation position.

2/ Fit the adaptor that matches the diameter of the "easy-push" valve to the inflation tube tip.

3/ Attach the hose connector to the inflation pump inflation valve.

To inflate your buoyancy tube properly, the inflation pump should be correctly placed on the ground.

The tube inflates rapidly if the inflation pump is used smoothly and without haste.



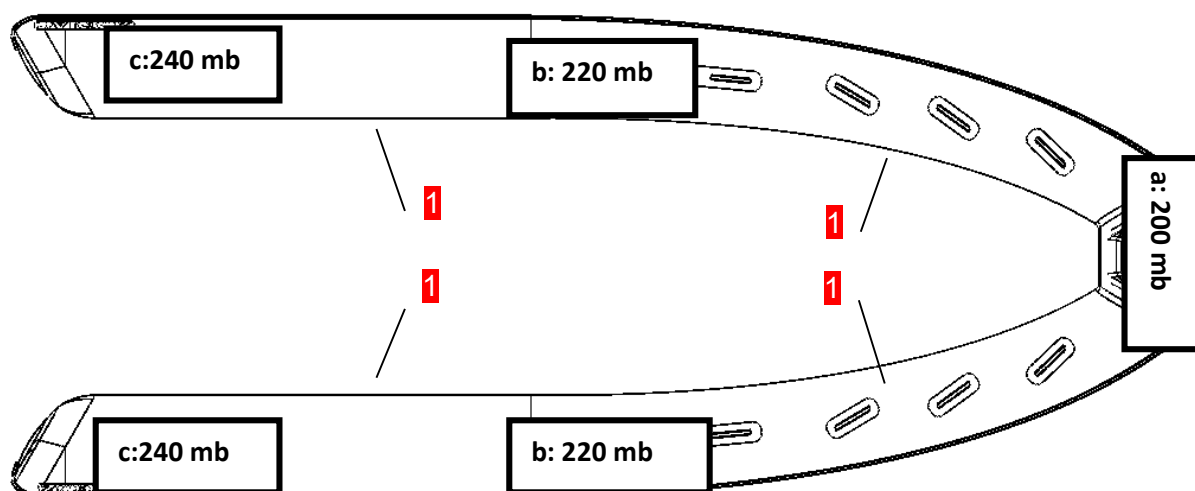
4/ Inflate the buoyancy tube, starting with the first compartment (a) at the bow, to 200 mb pressure.

5/ Then inflate the amidships tubes (b), to 220 mb read on the pressure gauge on the first compartment.

6/ Then inflate the stern compartments (c) to 240 mb, with the pressure gauge still on the first compartment. The partitions (1) enable the pressure between each tube to balance out.

7/ Inflation is completed: screw on the inflation valve plugs.

BUOYANCY TUBE - PRESSURE



NOTE: A slight loss of air is normal before the cap is screwed on.
Only the plugs provide final airtightness.

II -5-PRESSURE

The buoyancy tube has **5** compartments. Each must be inflated to a pressure of **240 mb / 3.4 PSI**.
 It is the buoyancy tube's correct pressure.

The ambient temperature of the air or the water proportionally influences the internal pressure of the buoyancy tube.	Ambient temperature	Pressure inside the buoyancy tube
	+ 1°C	+ 4 mb / + 0.06 PSI
	- 1°C	- 4 mb / - 0.06 PSI

It is therefore important to anticipate

Check and adjust the pressure of inflatable compartments (by inflating or deflating) depending on the temperature (particularly when temperature variations are high between the morning and evening in particularly hot regions) and check that the pressure does not exceed the recommended pressure zone (from 220 to 270 mb).

RISK OF PRESSURE LOSS

Example:

Your boat is exposed to direct sunlight on the beach (temperature=50°C) at the recommended pressure (240 mb/3.4 PSI). When you launch the boat (temperature = 20°C), the temperature and pressure in the inflatable compartments will jointly drop (up to 120 mb) and **you must then re-inflate** them until the millibars lost due to the difference between air and water temperature are regained.

It is normal to observe a drop in pressure at the end of the day when the outdoor temperature drops.

BUOYANCY TUBE - PRESSURE

RISK OF OVERPRESSURE

Example:

Your boat is inflated to its recommended pressure (240 mb/3.4 PSI) at the beginning or end of the day (low outside temperature = 10°C). Later in the day, your boat is left in the sun on the beach or on the deck of a boat (temperature = 50°C). The temperature inside the inflatable compartments may rise to 70°C (particularly for dark buoyancy tubes), doubling the initial pressure (480 mb). **You will then need to deflate** the boat to return to the recommended pressure.

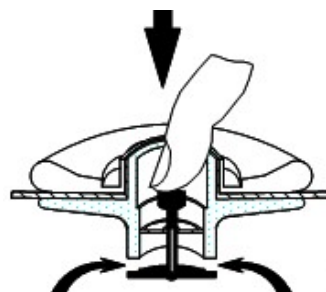


WARNING!

If your boat is overinflated, the pressure will abnormally wear the inflatable structure which may lead to a breach of the assembly.

IN THE EVENT OF OVERPRESSURE

Release air by pressing the valve plunger



PROPULSION SYSTEM

III - Propulsion system

Comply with ZODIAC's recommendations and the engine manufacturer's recommendations regarding engine fitting.

For optimal use of your boat, please consult your dealer.

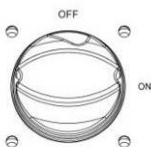

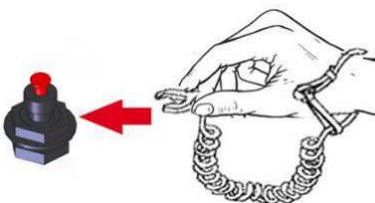

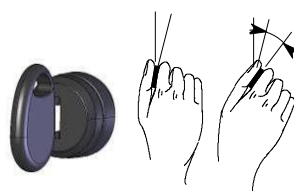
The engine bolts must be fitted through the transom using a screw hole sealing procedure (e.g.: using Sikaflex sealant).

HOW TO DRIVE YOUR BOAT

IV - How to drive your boat

Before starting, refer to the Owner's Manual Volume I.

NOTE: Check that the buoyancy tube is correctly inflated.

<p>1</p>  <p>Battery switch set to "ON"</p>	<p>2</p>  <p>Fuel valve to "ON".</p>	
<p>3</p>  <p>Slide on and connect the stop switch lanyard*</p>	<p>4</p>  <p>Throttle lever on neutral.</p>	<p>5</p>  <p>Operate the starter.</p>

* If the pilot falls overboard, immediately stopping the engine considerably reduces the risks of serious or fatal injury caused by being run over by the boat. Always connect both ends of the stop switch lanyard correctly.



DANGER!

Immediately turn off the engine as soon as a swimmer comes close to the boat. They risk being seriously injured by a rotating propeller.



WARNING!

WHEN UNDERWAY, KEEP ALL LOCKERS, DECK HATCHES AND THE TANK ACCESS HATCH CLOSED.

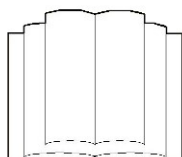
Breaking waves can be a significant danger for stability and cause flooding.

If a deck hatch seal is damaged, please contact your dealer to replace it as soon as possible.

Avoid abrupt manoeuvres at full speed. Reduce speed in waves for the comfort and safety of passengers.



40 KTS MAXIMUM



Manoeuvrability limited to 40 kts maximum.

Risk of loss of control in tight turns. Reduce speed before turning in any direction.

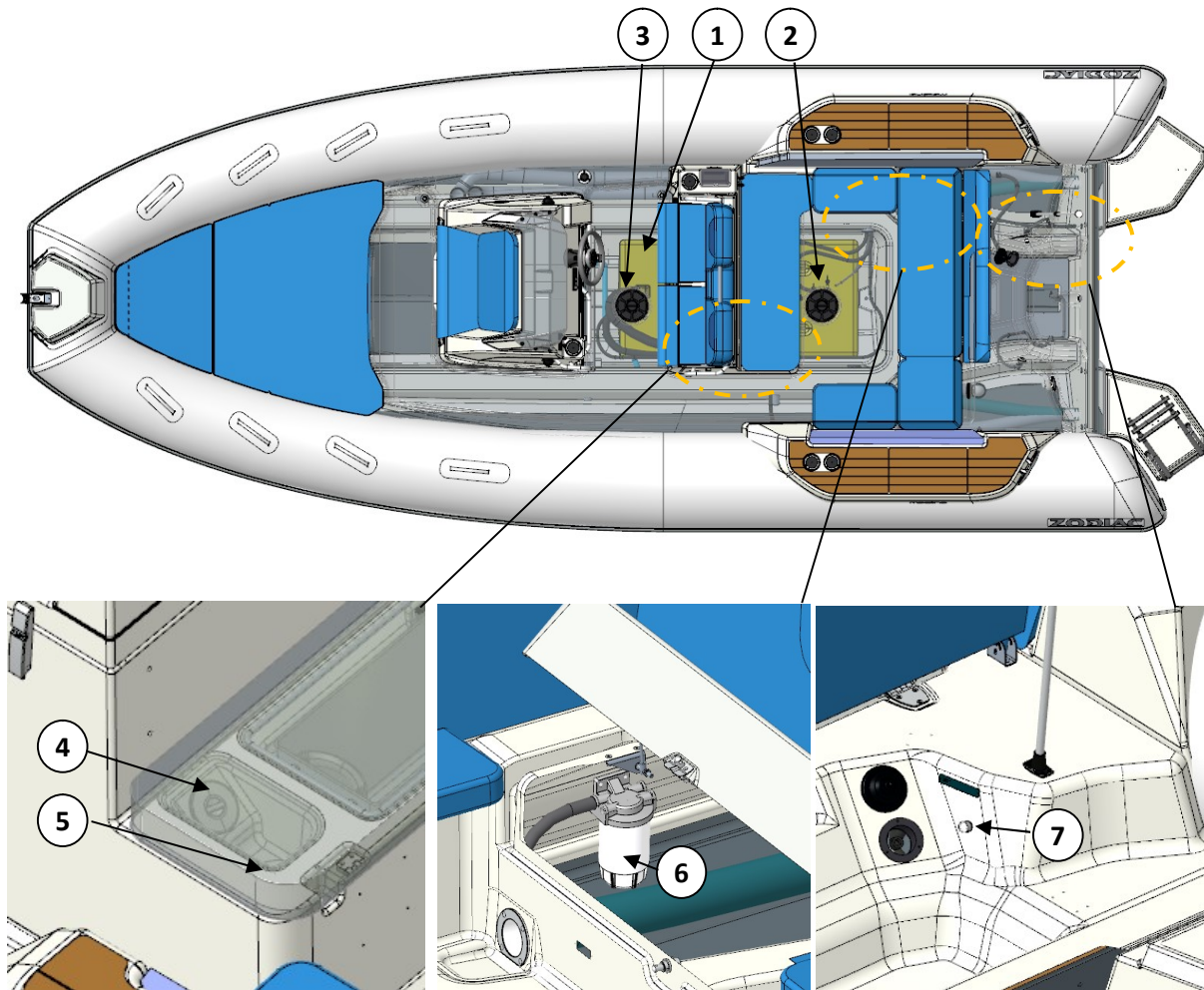
V-1 FUEL CIRCUIT



WARNING!

Do not use E10, E85 type biofuels, etc.

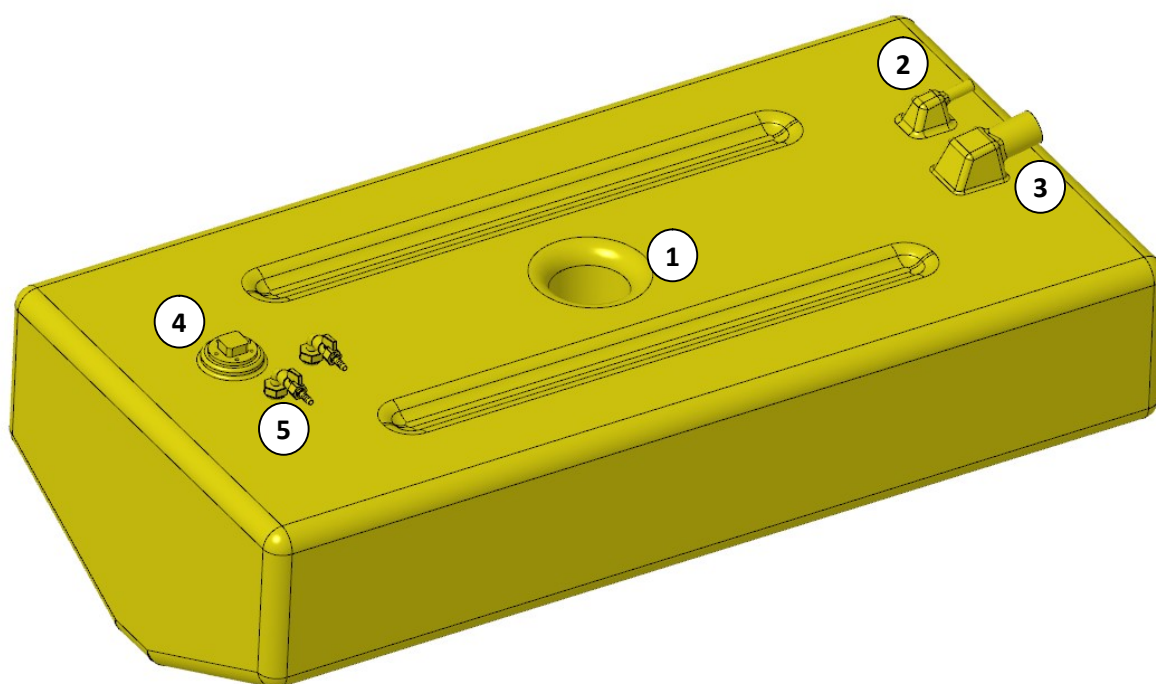
V -1-1-Location of items



Ref.	DESCRIPTION
1	Fuel tank
2	Fuel circuit valve
3	Tank filling connection access hatch and vent
4	Filling hole with cap
5	Fuel overflow drainage
6	Water/fuel separator filter
7	Tank vent

INSTALLATION AND CIRCUIT: FUEL

V -1-2-Tank



Ref.	DESCRIPTION
1	Tank*, given capacity 300 litres
2	Vent outlet
3	Tank filler inlet
4	Gauge transmitter
5	Intake pipe with fuel shut-off valve

*It may not be possible to use the full nominal capacity of the tank depending on the trim and the load.
A 20% reserve is recommended.*



WARNING!

It is vital to have a gauge dial. It is supplied with the engine. If your boat does not have one, contact your dealer.

The probe supplied is to American standard:

Impedance (tank empty position) 30 Ohms

Impedance (tank full position) 240 Ohms

All the dials on the market are compatible, with a few very rare exceptions.

To connect it, refer to the electrical diagram.

V -1-3-Fuel/water separator filter

In order to protect the engine, a water / fuel separating filter is placed on the engine's fuel supply system.



Ref.	DESCRIPTION
1	Water/fuel separator filter
2	Replaceable filter cartridge

Make sure that there is no water in the metal bowl each time you use your boat:

- Slightly unscrew the drain cap (do not remove it completely);
- Drain the water;
- Screw the drain cap back on if only fuel remains in the bowl.

Do this more often if your engine is not functioning correctly.

INSTALLATION AND CIRCUIT: FUEL



WARNING!

It is essential to replace the cartridge every 50 operating hours. Contact the dealer network in order to purchase a replacement cartridge.

CHANGING THE FILTER CARTRIDGE

Follow ZODIAC's recommendations and those of the filter manufacturer. Follow the manual or the engine manufacturer's instructions.

Place a draining funnel under the cartridge to be replaced.

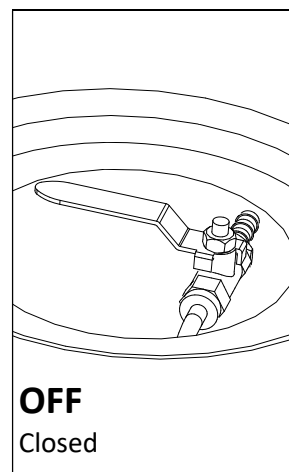
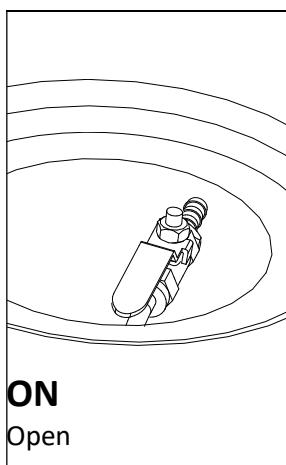
Before replacing the filter, the pressure in the fuel feed system must be released.



V-1-4-Using the fuel circuit cut-off valves

When not using your boat, close the fuel circuit valve.

Fuel circuit valve on the tank:



WARNING:

In the event of a fire on board, turn off the engine and shut-off the fuel circuit valves.

V -1-5-Recommendations



WARNING:

- In the event of a petrol leak or a fire, the petrol circuit closing valve located on the tank enables the tank to be cut off from the petrol circuit and must remain closed.
- Ensuring that the fuel tank is full before each outing prevents condensation from forming.
- Have the tank cleaned every 5 years.
- Check that all hose clamps are tight.
- When you drain the filter, do not empty the water into the boat. Place a recovery tray under the filter.
- Shut off the power supply before removing the filter cartridge.
- Carefully read the information provided in the filter's instruction manual.
- Petrol is extremely flammable. Make sure that the engines are turned off before working on the fuel system.
- Do not smoke; keep all flames or incandescent material well away from the work area.
- Never drill the tank area with a drill bit protruding more than 50 mm from the drill head (mark on the deck by a hatch) and do not use screws over 20 mm long.



DANGER!

Do not store flammable products in the rear compartment. It is strictly forbidden to store a spare fuel tank.



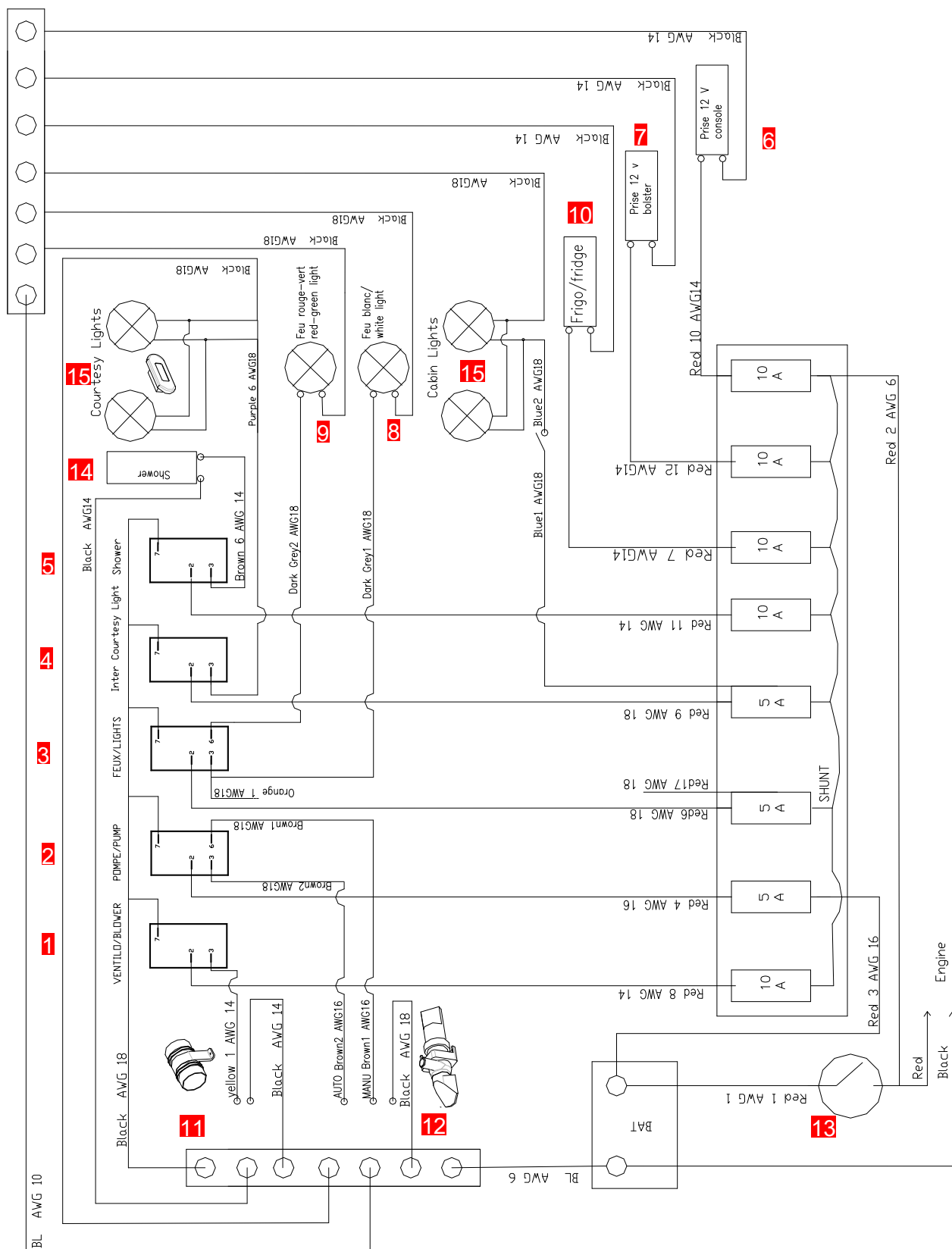
WARNING!

Do not, under any circumstances, change the fuel installations, or allow unqualified people to carry out modifications to these installations.

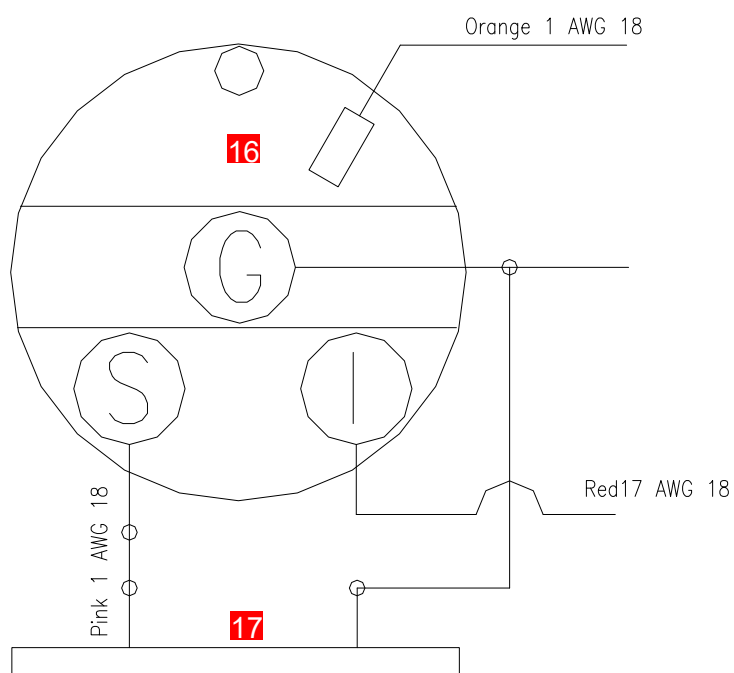
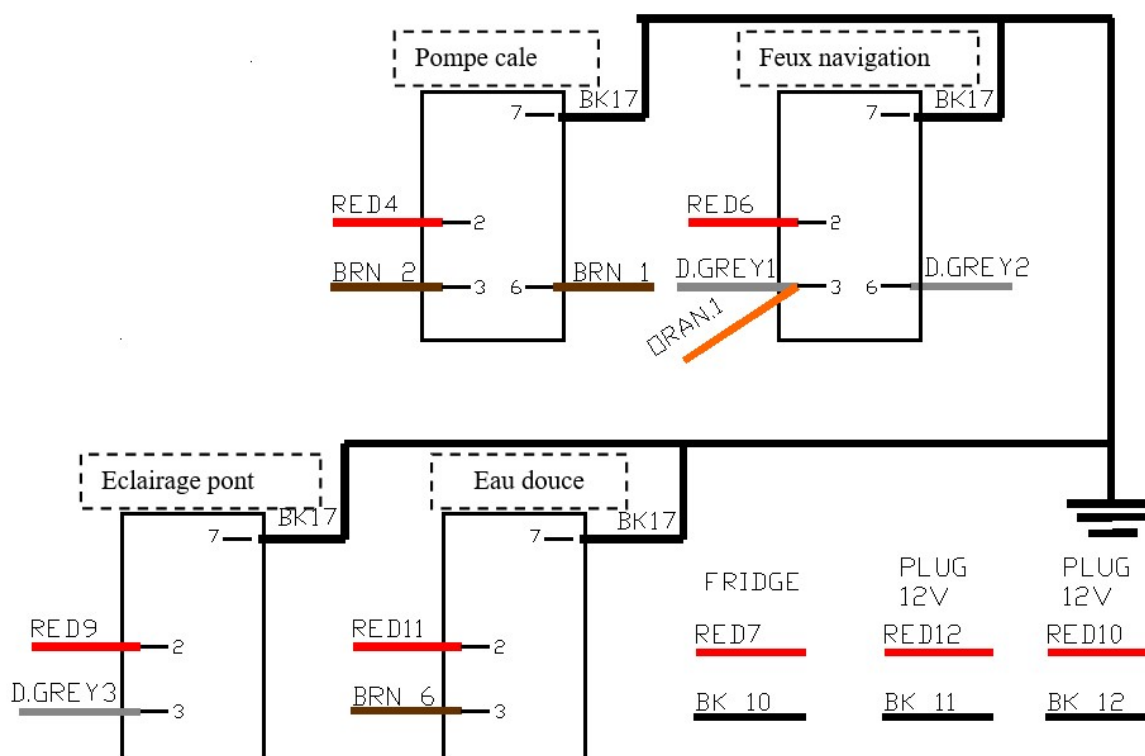
INSTALLATION AND CIRCUIT: ELECTRICAL

V -2- ELECTRICAL CIRCUIT

V -2-1- General wiring diagram



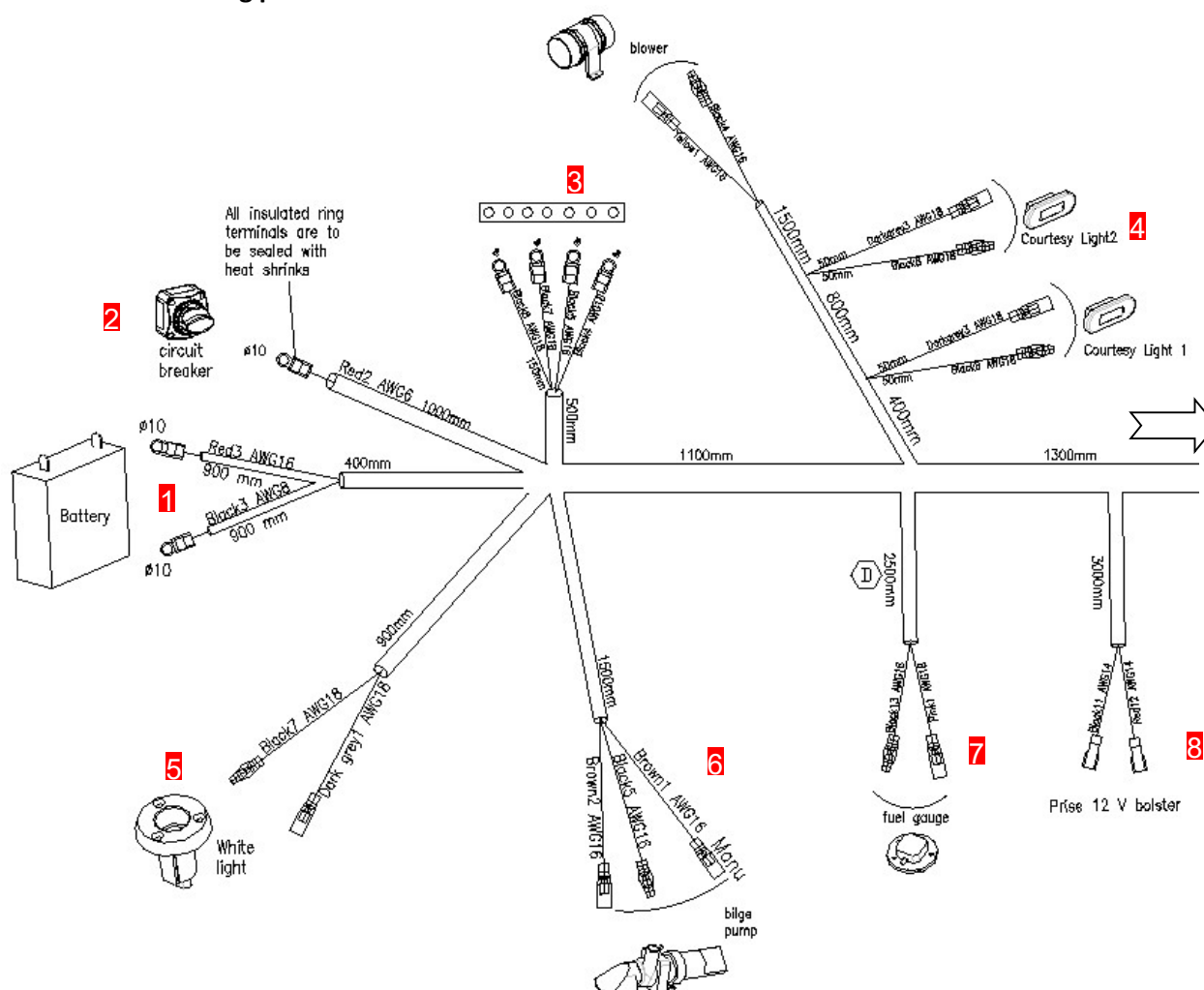
INSTALLATION AND CIRCUIT: ELECTRICAL



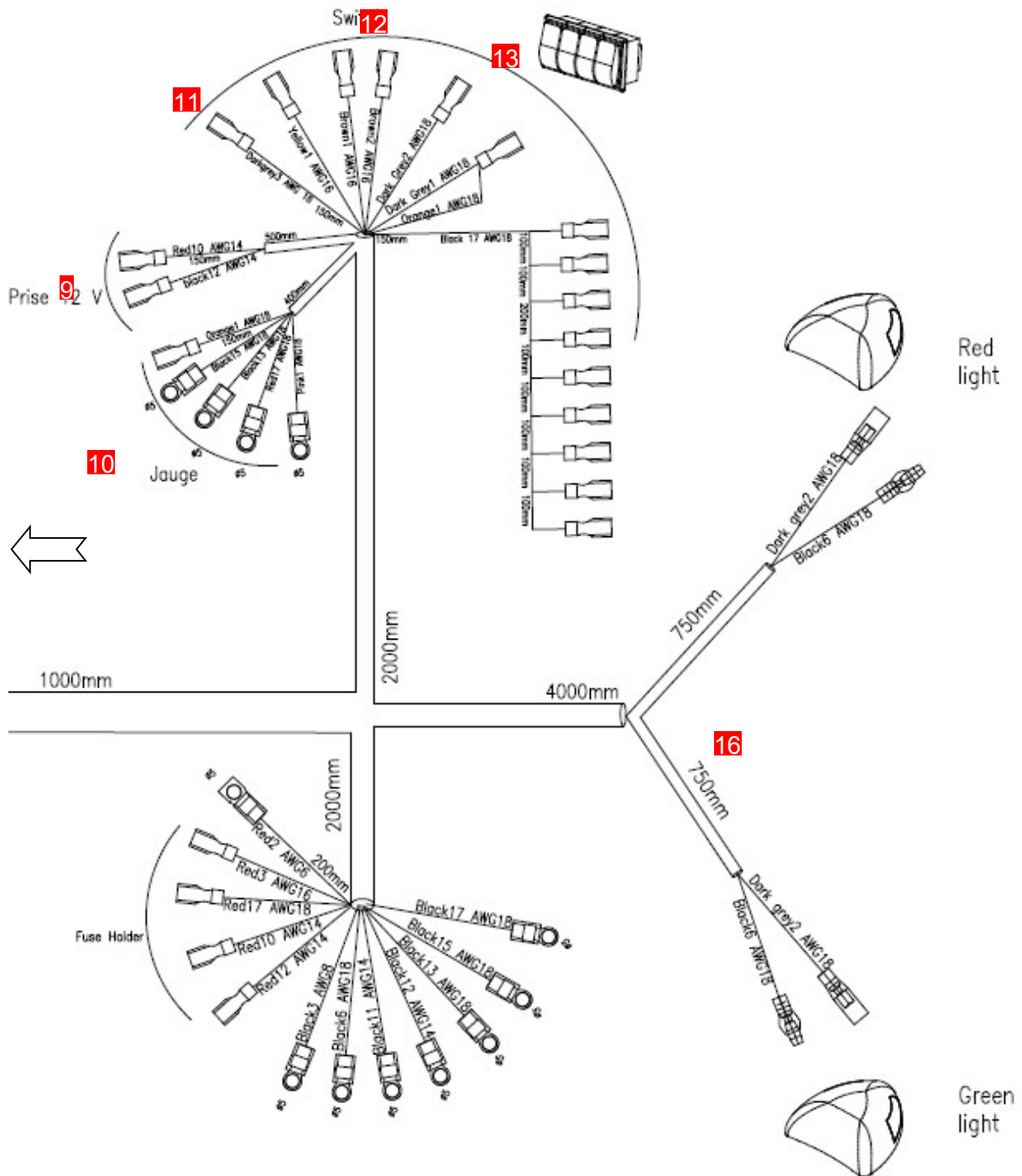
INSTALLATION AND CIRCUIT: ELECTRICAL

Ref.	DESCRIPTION
1	Bilge pump switch
2	Bilge fan switch (not supplied)
3	Navigation light switch
4	Courtesy light switch (option)
5	Shower pump switch (option)
6	USB port /12 volts (console)
7	12V socket (bolster)
8	White light
9	Red / green light
10	Refrigerator
11	Bilge fan (not supplied)
12	Bilge pump
13	Circuit-breaker
14	Water pump connection
15	Courtesy light connection
16	Fuel gauge dial
17	Fuel gauge transmitter

V -2-2-General wiring plan

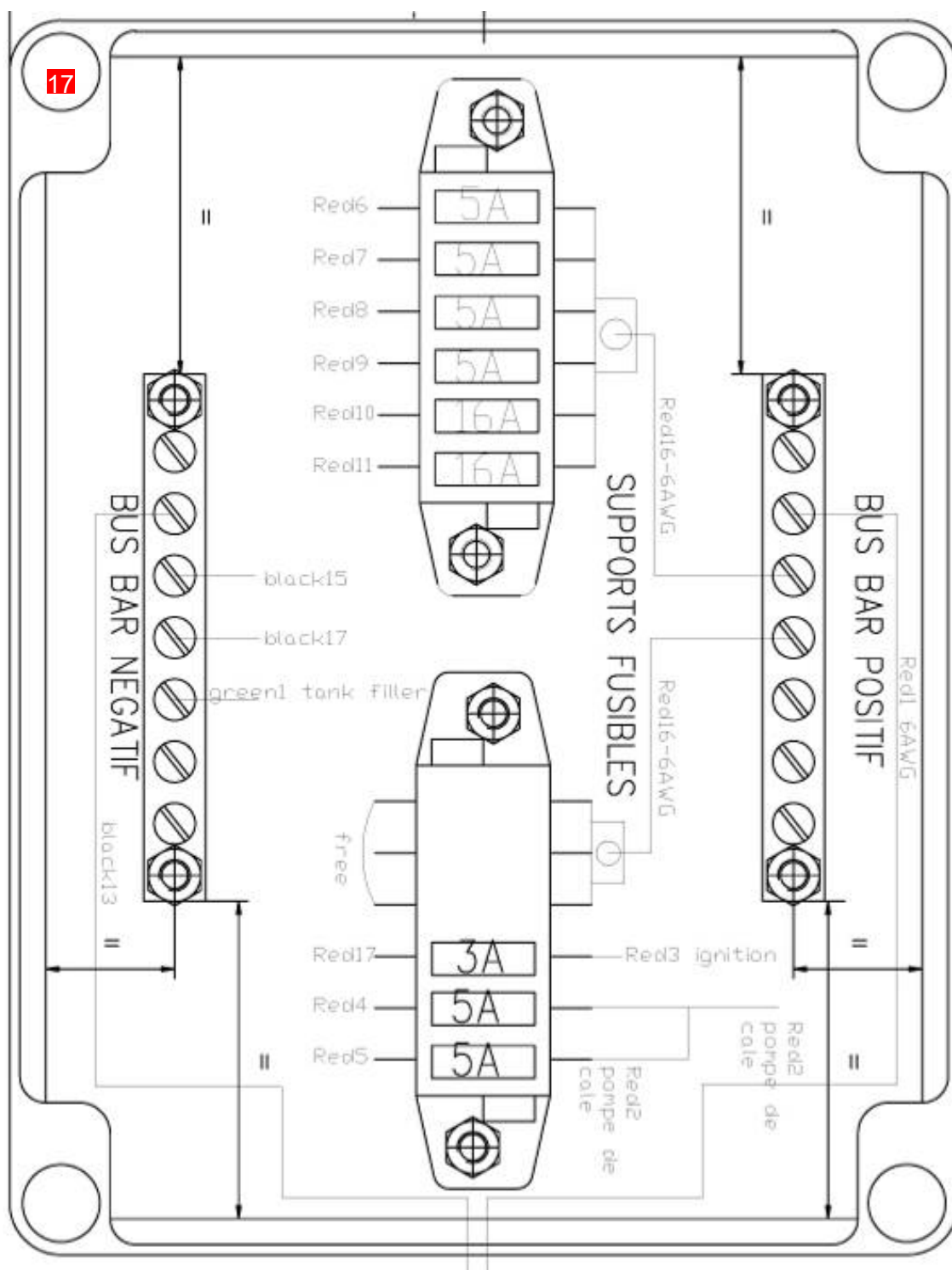


INSTALLATION AND CIRCUIT: ELECTRICAL



The necessary parameters are missing or incorrect.

INSTALLATION AND CIRCUIT: ELECTRICAL

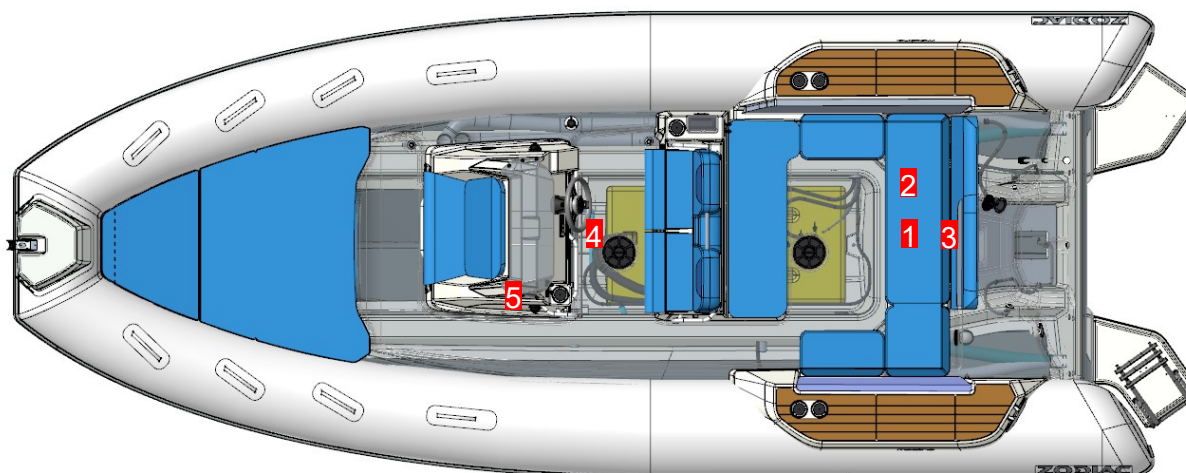


INSTALLATION AND CIRCUIT: ELECTRICAL

Ref.	DESCRIPTION	
1	Battery connection	
2	Circuit breaker connection	
3	Bus bar ground connection	
4	Courtesy light connection (option)	
5	White light connection	
6	Bilge pump connection	
7	Fuel gauge transmitter connection	
8	12 Volt power socket connection (aft)	
9	12 Volt power socket connection (console)	
10	Fuel gauge dial connection	
11	Courtesy light switch connection	
12	Bilge pump switch connection	
13	Navigation light switch connection	
14	Shower kit switch connection	
15	Shower kit connection	
16	Red green light connection	
17	Fuse box	
	10A fuse, console USB port	Red 10 AWG16
	10A fuse, bolster USB port	Red 12 AWG16
	10A fuse, refrigerator	Red 7 AWG16
	10A fuse, shower kit	Red 11 AWG14
	3A fuse, courtesy lights	Red 9 AWG18
	5A fuse, navigation lights	Red 6 AWG18
	5A fuse, bilge pump	Red 4 AWG16

INSTALLATION AND CIRCUIT: ELECTRICAL

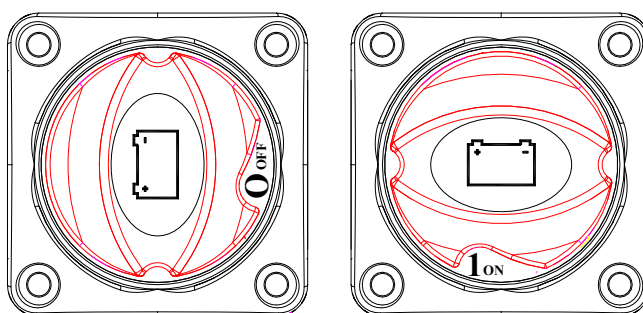
V -2-3-Location of items



Ref.	DESCRIPTION
1	Circuit-breaker access
2	Circuit-breaker
3	Battery box
4	Fuse box access
5	Fuse box

V -2-4-Circuit-breaker

When you are no longer using your boat, set the circuit-breaker to the OFF position.



WARNING

Cut the engine before setting the circuit-breaker to the "OFF" position.

V-2-5-Battery (not supplied):

Comply with ZODIAC's recommendations and with the recommendations of the battery manufacturer for standard maintenance.



MAINTAIN YOUR BATTERY:

- Keep the battery clean and dry in order to avoid premature wear.
- Tighten and maintain the terminal lugs by greasing them regularly.

WARNING!

The water from the water supply system contains mineral which damages batteries.

You should thus always top up with distilled water.

When you install the battery, make sure that no fuel tank, fuel filter or fuel line connector is within 12 inches (305 mm) of the surface of the battery.



WARNING

- Keep the batteries and the electrolyte out of the reach of children.
- Always keep the battery upright, never on its side.
- When adding electrolyte or when recharging the battery, always remove it from the engine compartment.
- Battery electrolyte is a toxic and dangerous liquid. It contains sulphuric acid which can cause serious burns. Avoid contact with skin, eyes and clothes.
- Batteries can emit explosive gases. Keep them away from sparks, open flames, cigarettes, etc.
- When charging or using a battery, work in a well-ventilated environment. Always protect your eyes when working close to a battery.

NOTE:

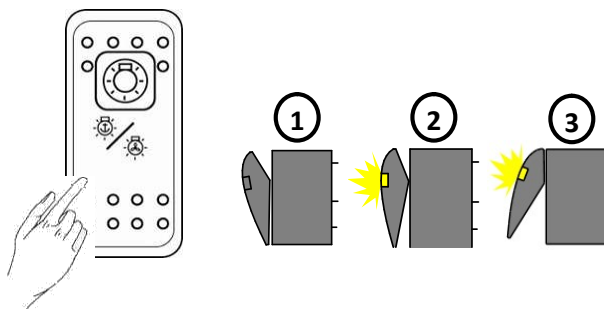
- If you do not plan to use your boat for a month or more, remove the battery and store it in a cool, dark and dry place. Fully recharge the battery before reusing it.
- If the battery is being stored for a longer period, check electrolyte density at least once a month and recharge the battery as soon as the density is too low.
- Electrolyte density: 1.28 at 20°C.

INSTALLATION AND CIRCUIT: ELECTRICAL

V -2-6 Navigation lights

Press this button to switch on the navigation lights. There are 3 positions.

- ① Off
- ② White light position (at anchor)
- ③ White light, red light, and green light position.



V -2-7-Wiring an accessory

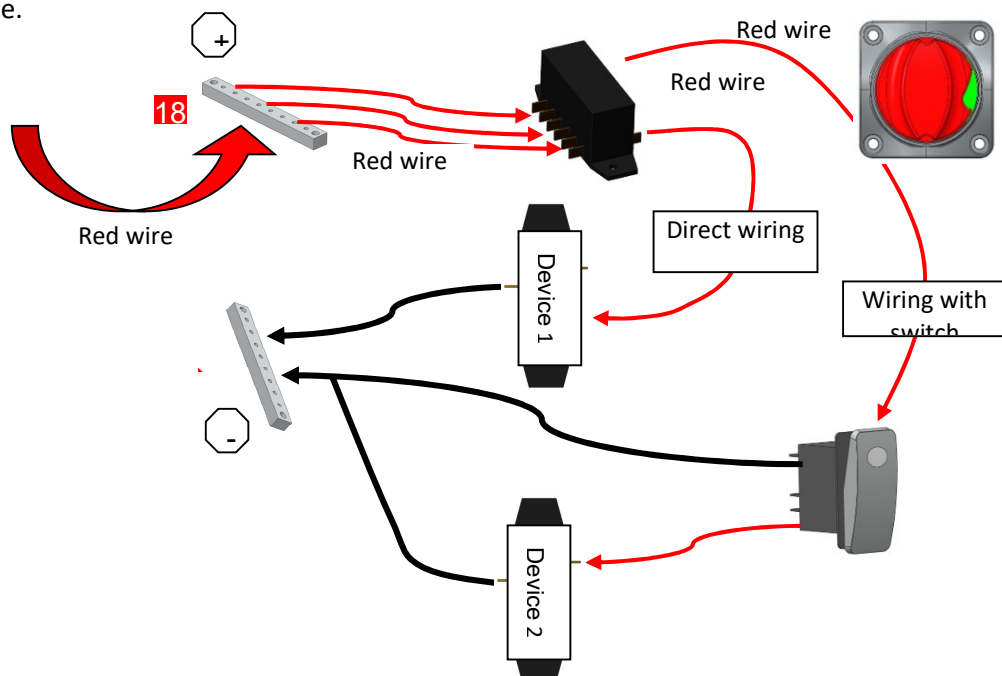
1/ Choose a free fuse location...

2/ Connect the power supply of your accessory to the terminal corresponding to this slot using a 6 mm female tab type terminal.

3/ If you have to add cable for the connection, use cable with a cross-section of at least 1.5 mm² that complies with "marine" standards (UL1426 or SAE J378 or SAE J1127 or SAE J1128 or more generally meeting ABYC and/or EC standards),

4/ Connect the earth cable of your accessory to the ground terminal strip using a Ø5 "ring terminal" (same remark as previously for the cable),

5/ Insert an ATO type fuse with a max current of 15 A and greater than the load current of your device.



INSTALLATION AND CIRCUIT – CONNECTION OF OPTIONS

V -2-7-Wiring options:

A bilge pump is fitted as standard to the boat. However, it is also possible to add extra accessories under certain conditions:

- ① The accessories you want to add must be connected to the console.
- ② Accessories are divided into two categories:
 - A** → Accessories that are used or which may be used continuously during normal use of the boat,
 - B** → Accessories that are used intermittently.

A	
Windscreen wipers	
Radio	
Depth sounder	
GPS	
Searchlight	
Alarm system	
Refrigerator	
VHF	
Σ	336 W max.

and

B	
Cigarette lighter (standard)	
Miscellaneous lighting	
Horn	
Miscellaneous electronic equipment	
Shower pump	
Max. power	102 W max



WARNING

You must make sure that the total power of the accessories you add in column A is 336 W (28 A) or less AND that the max power of an accessory in column B is 102 W (8.5 A) or less.

The cross-sections of the different cables in the wiring circuit were calculated using these figures; not following this rule may lead to electrical faults and cause short circuits.

You may connect the options directly to the positive and negative console ground terminal (within the max. power limits), using an approved fuse-holder.

NOTE: If you are getting several pieces of electrical equipment installed, the total immediate consumption could potentially exceed your outboard engine's charge capacity.

For example, the electrical wiring harness can accept instant consumption of 570 W (including navigation lights and bilge pump), which is a little less than a 48 A output current. The alternators in the current engines generally provide 15 A when at full throttle. Check your engine's technical documentation. You should therefore avoid using this equipment over a long period of time, as you run the risk of emptying the battery and not being able to restart the engine.

INSTALLATION AND CIRCUIT – CONNECTION OF OPTIONS

Example 1

You want to add:

- A 72 W VHF,
- A 36 W GPS,
- A 180 W radio,
- Courtesy lights LED 10 W
- Shower pump 48W

A	
Windscreen wipers	
Radio	180 W
Depth sounder	
GPS	36 W
Searchlight	
Alarm system	
Refrigerator	
VHF	72 W
Σ	288 W < 336 W 👍

and

B	
Cigarette lighter (standard)	
Miscellaneous lighting	10 W
Horn	
Miscellaneous electronic equipment	
Shower pump	48 W
Max. power	58 W (< or = 102 W)

CONCLUSION



Example 2

You want to add:

- A 60 W VHF,
- A 36 W GPS,
- A 180 W radio,
- A 120 W searchlight.

A	
Windscreen wipers	
Radio	180 W
Depth sounder	
GPS	36 W
Searchlight	120 W
Alarm system	
Refrigerator	
VHF	60 W
Σ	396 W > 336 W 👎

and

B	
Cigarette lighter (standard)	
Miscellaneous lighting	
Horn	
Miscellaneous electronic equipment	
Shower pump	
Max. power	0 W (< or = 102 W) 👍

CONCLUSION



INSTALLATION AND CIRCUIT – CONNECTION OF OPTIONS

Example 3

You want to add:

- A 60 W GPS,
- A 180 W radio,
- A 120 W horn.

A	
Windscreen wipers	
Radio	180 W
Depth sounder	
GPS	60 W
Searchlight	
Alarm system	
Refrigerator	
VHF	
Σ	240 W < 336 W 👍

and

B	
Cigarette lighter (standard)	
Miscellaneous lighting	
Horn	
Miscellaneous electronic equipment	120 W
Shower pump	
Max. power	120 W (> 102 W) 🙄

CONCLUSION

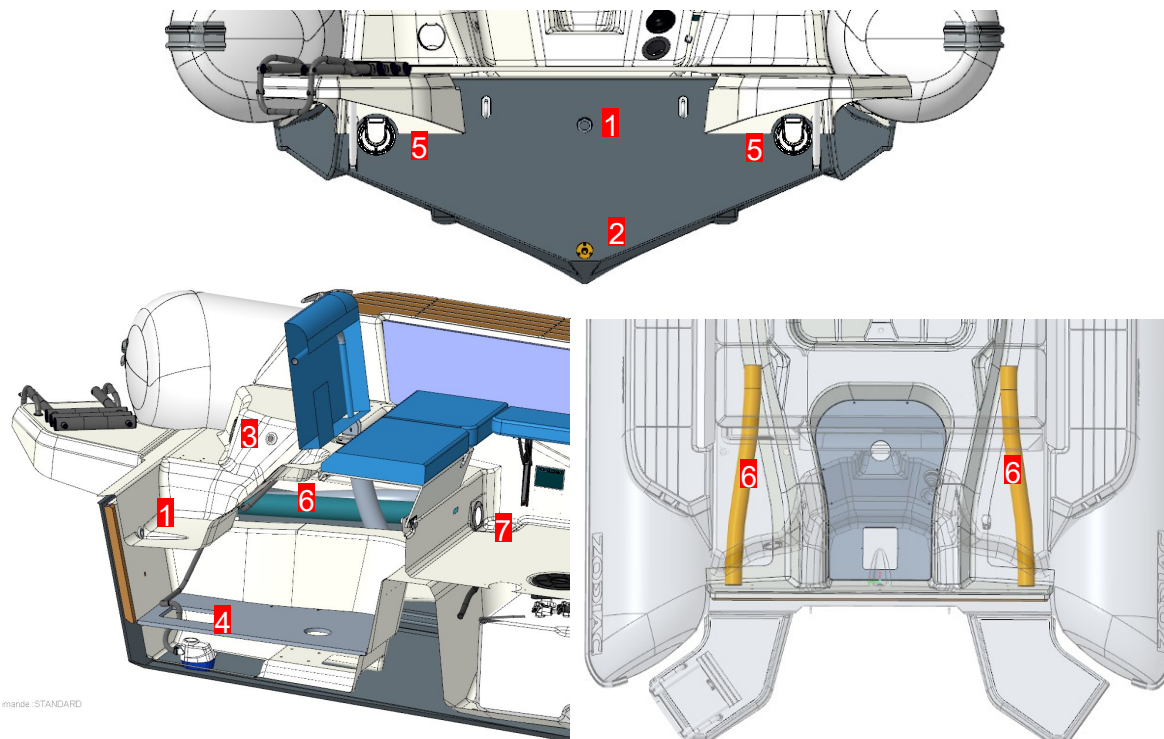


NOTE: Some manufacturers will indicate the amperage rather than the absorbed power. With direct current from a 12 V battery, as is the case here, simply multiply by 12 to obtain the power.

INSTALLATION AND CIRCUIT - DRAINING

V-3 INSTALLATION OF THE DRAINING SYSTEMS

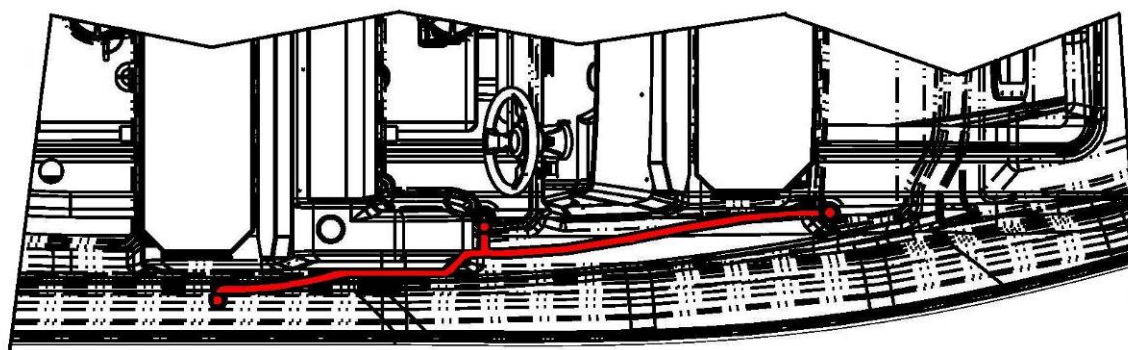
V-3-1-Description of the essential functional elements



Ref.	DESCRIPTION
1	Engine recess drain
2	Hull scupper
3	Bilge pump outlet
4	Bilge pump
5	High flow rate self-bailer with non-return valve
6	Drain pipes
7	Scuppers


V-3-2 Draining of water from the deck

The boat is self-draining, with a rainwater drainage system:
2 scuppers on the deck, one forward of the console and a second forward of the bolster.
Both are connected to a scupper that passes through the hull.



V-3-3-Bilge pump

USE

The bilge pump is not wired to the battery switch and operates independently; the control switch  is always ON.

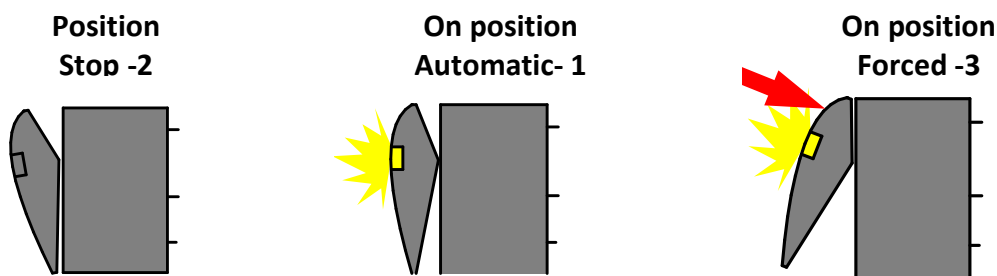
① Automatic operation (set position): in this position, the bilge pump operates automatically. The indicator light is on.

When at anchor, even for several months, it is normal that the bilge pump indicator is on. A pilot light will not empty your battery.

② Off: in this position (set position), the bilge pump is off. The indicator light is off.

This position should almost never be used, except when the boat is out of the water and sheltered.

③ Forced operation: the switch has to be held depressed to operate it. As soon as you release the switch, it returns to automatic position (1).



ZODIAC recommends the use of a tarpaulin or mooring cover in order to prevent water ingress in the event of rain.



Ensure that the system is in working order (unblocked pipes, plugs out, bilge pump switch on automatic mode, battery charged).



WARNING

At anchor, set the bilge pump switch to the automatic position.



WARNING!

The bilge pump system is not designed to keep in check water coming from a breach in the hull. It is the owner's responsibility to have at least one bailer on board with a system to prevent its accidental loss.

INSTALLATION AND CIRCUIT - DRAINING**WARNING!**

Regularly check that the bilge pump works (see instructions) and clean the intake strainers of any debris likely to cause a blockage.

The flow rate of your pump is about 45 litres per minute. It may be accessed via the rear locker.

V-3-4-Hull drain hole**Out of the water (on trailer, cradle, etc.)**

Open position, drain plug removed.

In the water

Closed position, drain plug fitted.
(Make sure the drain plug is properly closed/tightened)

INSTALLATION AND CIRCUIT - STEERING

V-4 STEERING

Comply with the steering manufacturer's recommendations (installation, use and maintenance).

For optimal use of your boat, please consult your dealer.

INSTALLATION AND CIRCUIT - STEERING

V-5 FIRE



WARNING

- **We recommend you keep an extinguisher on board, and comply with the laws applicable in your country.**
- **Do not place flammable material close to or above cooking equipment.**

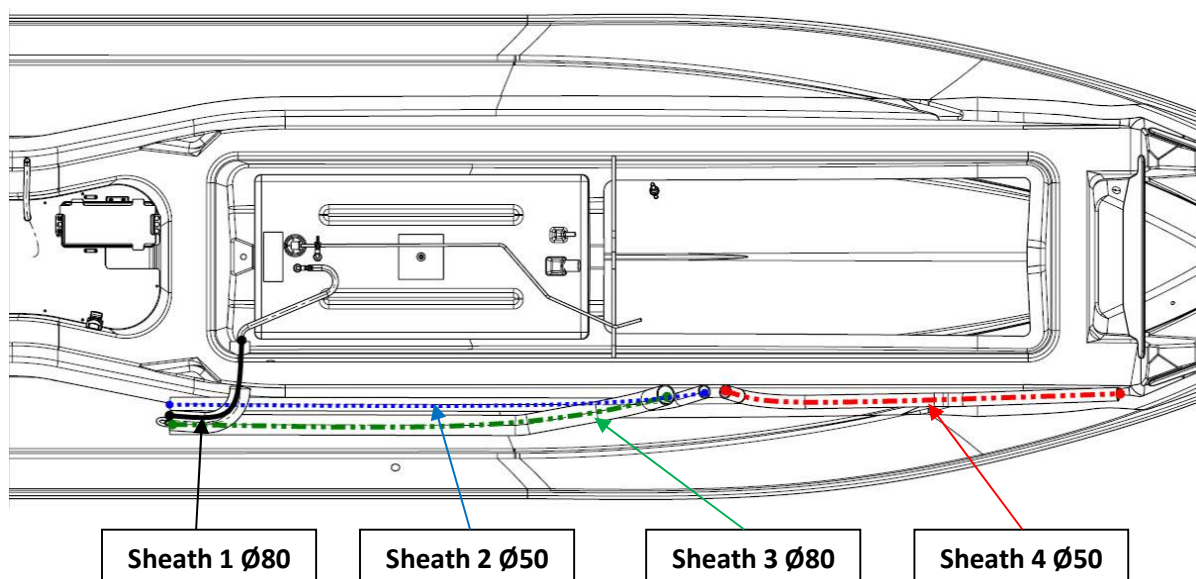
The boat is supplied without a fire extinguisher; complying with the national regulations of the country in which your boat is registered is your responsibility. When in use, the boat must be fitted with portable extinguishers.

The recommended position for the extinguisher is inside the stern locker or console.

- Take care to keep the bilges clean and check at regular intervals that there are no fuel leaks or vapours.
- Never leave the boat unattended when cooking and/or heating equipment is in use.
- Do not smoke while handling gas or fuel.
- Do not obstruct the safety controls, e.g. fuel shut-off valves, electrical system switches.
- Do not fill the fuel tank when the engine is running or when cooking equipment is operating.

V-6 SHEATHS

Top view with deck removed



Sheath 1: Used to route the engine supply

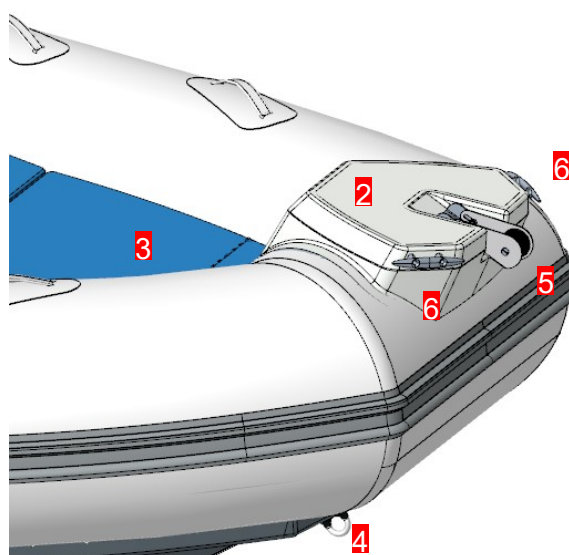
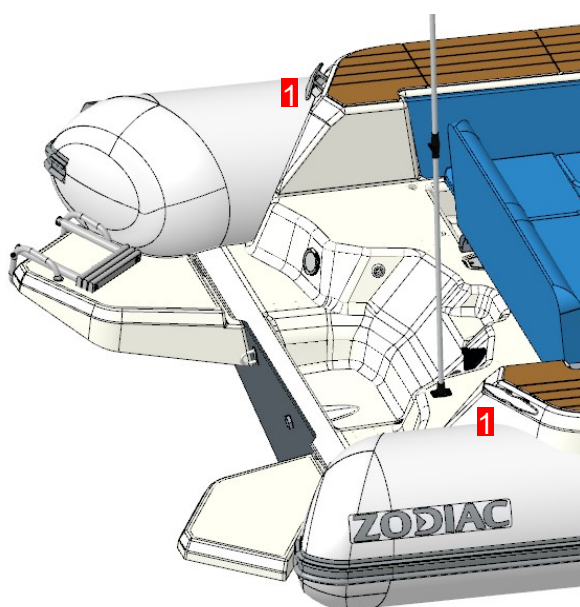
Sheath 2: Used to route the steering cables

Sheath 3: Used to route the electrical wiring harness and the engine wiring harness (not supplied)

Sheath 4: Used to route the navigation light cable and the windlass wiring harness (not supplied)

INSTALLATION AND CIRCUIT - Anchoring/mooring

V-7 ANCHORING/MOORING



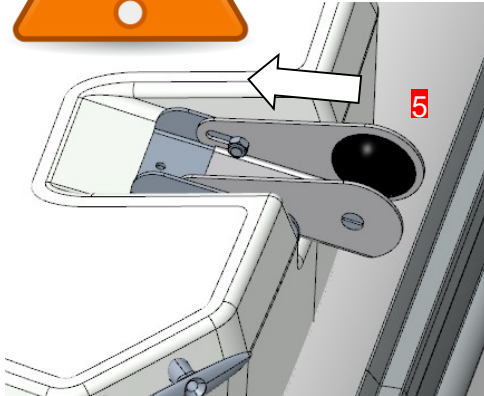
Ref.	DESCRIPTION
1	Aft bollards
2	Polyester bow roller with stainless steel bow roller
3	Anchor locker

4	Bow chain plate
5	Sheave
6	Forward cleats

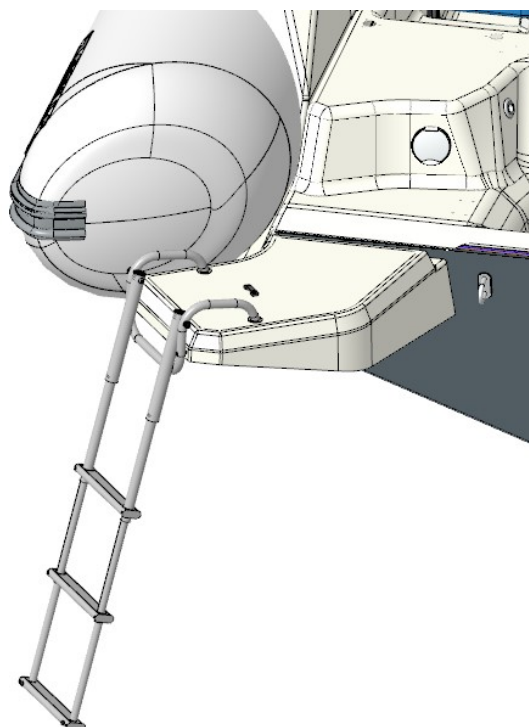
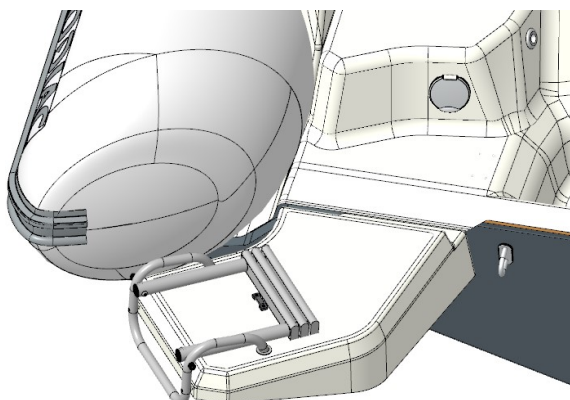


WARNING

- For permanent mooring, use the bow chain plate.
- Choose your anchor chain according to the length and weight of your boat.



When underway, pull back the sheave to lock it

INSTALLATION AND CIRCUIT - Boarding**V -8-BOARDING****DANGER!**

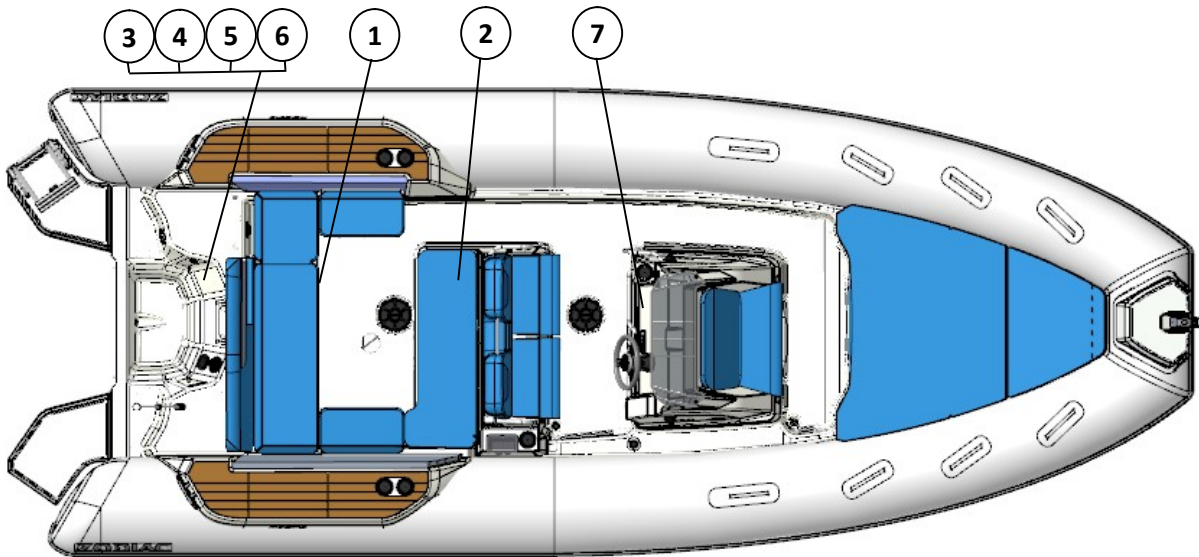
Check that the engine is switched off before anyone climbs back on board using the rear ladder.

**WARNING**

When the boat is used solo, if the ladder cannot be deployed from the water, the ladder should be permanently deployed.

LABELLING

VI-1-POSITION OF LABELS



LABELLING

VI-2 DESCRIPTION OF LABELS



⚠ WARNING	⚠ AVERTISSEMENTS
<ul style="list-style-type: none"> • DO NOT TOUCH BATTERY TERMINALS (SHOCK AND ACID HAZARDS) • DISCONNECT BOTH LEADS BEFORE REMOVING BATTERY • CONNECT RED LEAD TO POSITIVE (+) TERMINAL • CONNECT BLACK LEAD TO NEGATIVE (-) TERMINAL 	<ul style="list-style-type: none"> • NE PAS TOUCHER LES TERMINAUX DE LA BATTERIE (RISQUE DE CHOC ELECTRIQUE ET DE CONTACT AVEC L' ACIDE DE LA BATTERIE) • DEBRANCHER LES 2 FILS DE SORTIE AVANT DE RETIRER LA BATTERIE • RELIER LE CABLE ROUGE A LA BORNE (+) • RELIER LE CABLE NOIR A LA BORNE (-)



⚠ WARNING	⚠ AVERTISSEMENTS
<p>GASOLINE IS HIGHLY INFLAMMABLE AND EXPLOSIVE</p> <ul style="list-style-type: none"> • STOP ENGINE BEFORE REFUELING • REFUEL IN WELL VENTILATED AREA • NEVER REFUEL WHILE SMOKING, AROUND SPARKS OR OPEN FLAME • AVOID SPILLING FUEL. WIPE UP ALL FUEL SPILLS IMMEDIATELY • LEAKING FUEL IS A FIRE HAZARD AND EXPLOSION HAZARD • INSPECT FUEL SYSTEM BEFORE EACH USE 	<p>L' ESSENCE EST TRES FORTEMENT INFLAMMABLE ET EXPLOSIVE</p> <ul style="list-style-type: none"> • ARRETER LE MOTEUR AVANT TOUT REMPLISSAGE. • NE PAS FUMER LORS DU REMPLISSAGE. • FAIRE LE PLEIN DANS UN ENDROIT VENTILE. • EVITER DE RENVERSER DU CARBURANT. ESSUYER IMMEDIATEMENT TOUTES LES FLAQUES DE CARBURANT CREEES • LES FUITES DE CARBURANTS CONSTITUENT UN RISQUE D' INCENDIE ET D' EXPLOSION • VERIFIER LE CIRCUIT CARBURANT AVANT CHAQUE UTILISATION

⚠ CAUTION	⚠ ATTENTION
<p>IMPROPERLY TOWING YOUR BOAT CAN CAUSE SEVERE DAMAGE TO YOUR BOAT.</p> <ul style="list-style-type: none"> • NEVER TOW IN OPEN SEAS • NEVER TOW ABOVE 6 KNOTS 	<p>UN REMORQUAGE INAPROPRIE PEUT ENDOMMAGER VOTRE BATEAU</p> <ul style="list-style-type: none"> • NE PAS REMORQUER EN PLEINE MER • NE PAS REMORQUER A PLUS DE 6 NOEUDS

⚠ WARNING	⚠ AVERTISSEMENT
<p>DO NOT LIFT THE BOAT WITH PASSENGERS ON BOARD</p>	<p>NE PAS SOULEVER LE BATEAU AVEC DES PASSAGERS A BORD</p>

⚠ DANGER	⚠ DANGER
<p>TO AVOID INJURY OR DEATH, SHUT OFF ENGINE WHEN NEAR SWIMMERS OR PRIOR TO USING SWIN PLATFORM AND BOARDING LADDER</p>	<p>POUR EVITER DES BLESSURES OU LA MORT, COUPER LE MOTEUR EN APPROCHANT DE NAGEURS, ET AVANT TOUTE UTILISATION DE LA PLATEFORME ARRIERE OU DE L' ECHELLE DE BAIN</p>

⚠ DANGER	⚠ DANGER
<p>A FIRE EXTINGUISHER MUST BE CARRIED AT ALL TIMES</p>	<p>UN EXTINCTEUR DOIT ETRE DISPONIBLE EN PERMANENCE A BORD</p>

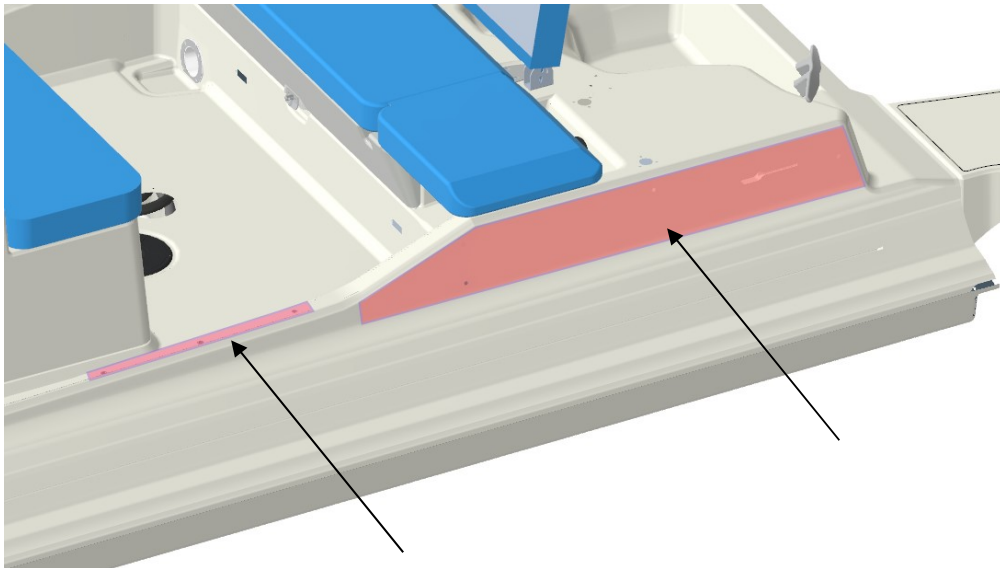
INSTALLATION

VII -1-Installing elements that come non-mounted

VII-1-1 WINGS

For transport reasons, the wings and aft platforms are not mounted on the boat. To install them easily, follow the instructions below:

- Unpack the wings, being careful not to scratch them or damage the EVA deck.
- Locate the port and starboard sides.
The necessary parameters are missing or incorrect.
- Clean the surfaces on port and starboard sides where the wings will be mounted



INSTALLATION

- Apply SIKa to the deck



INSTALLATION

- Place the wings on the deck and secure them with screws, starting from the front.



WARNING

Apply medium-strength threadlocker in the stainless steel inserts.

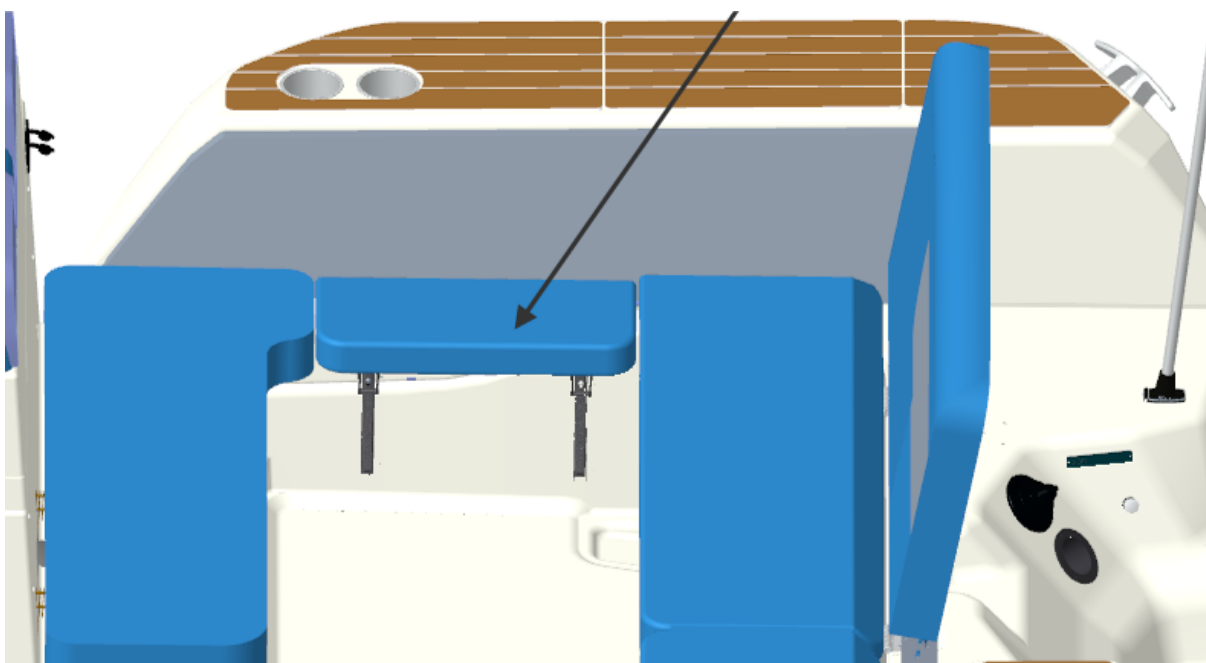
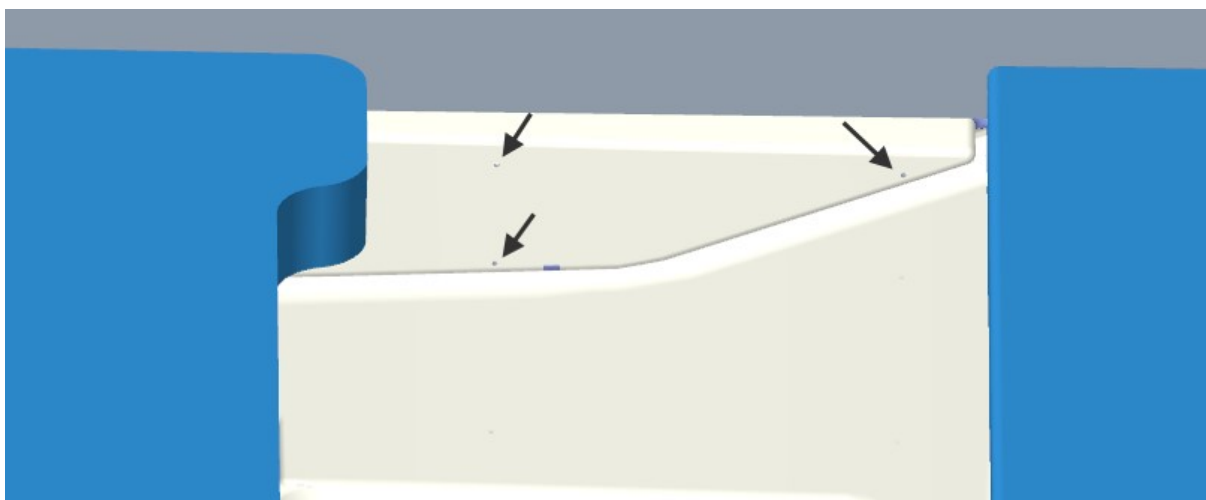
- Finish securing the wings with M8 bolts



INSTALLATION**VII-1-2 JUMP SEATS****WARNING**

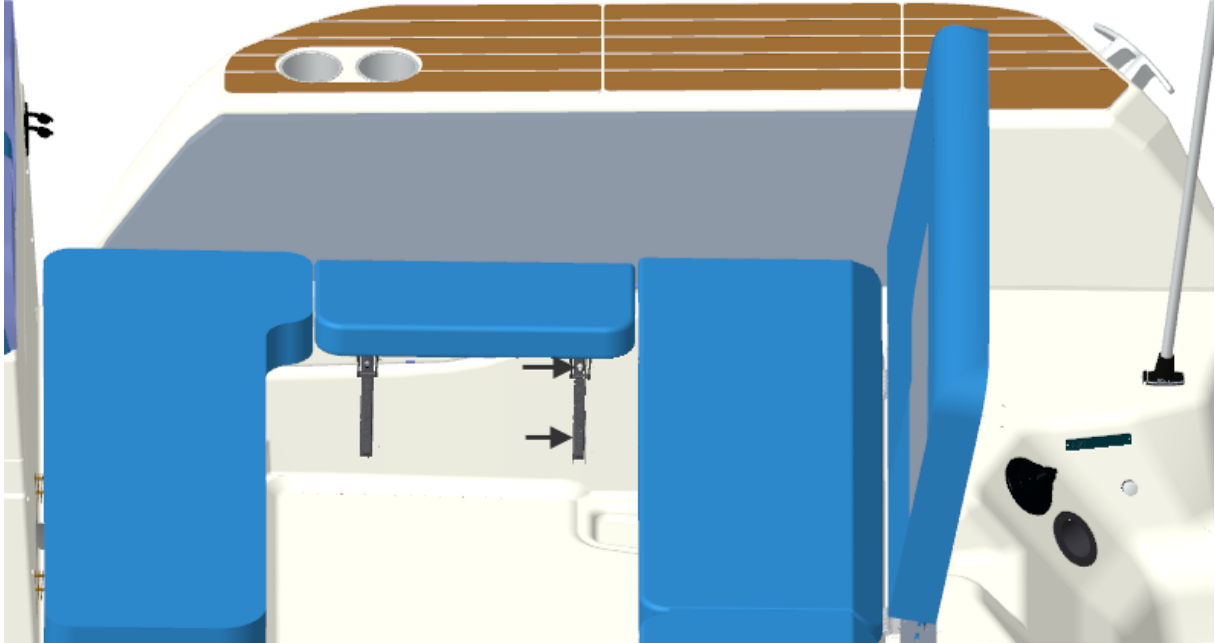
These places are intended for use by children.

- Secure the jump seats to the wings (M4 bolts)

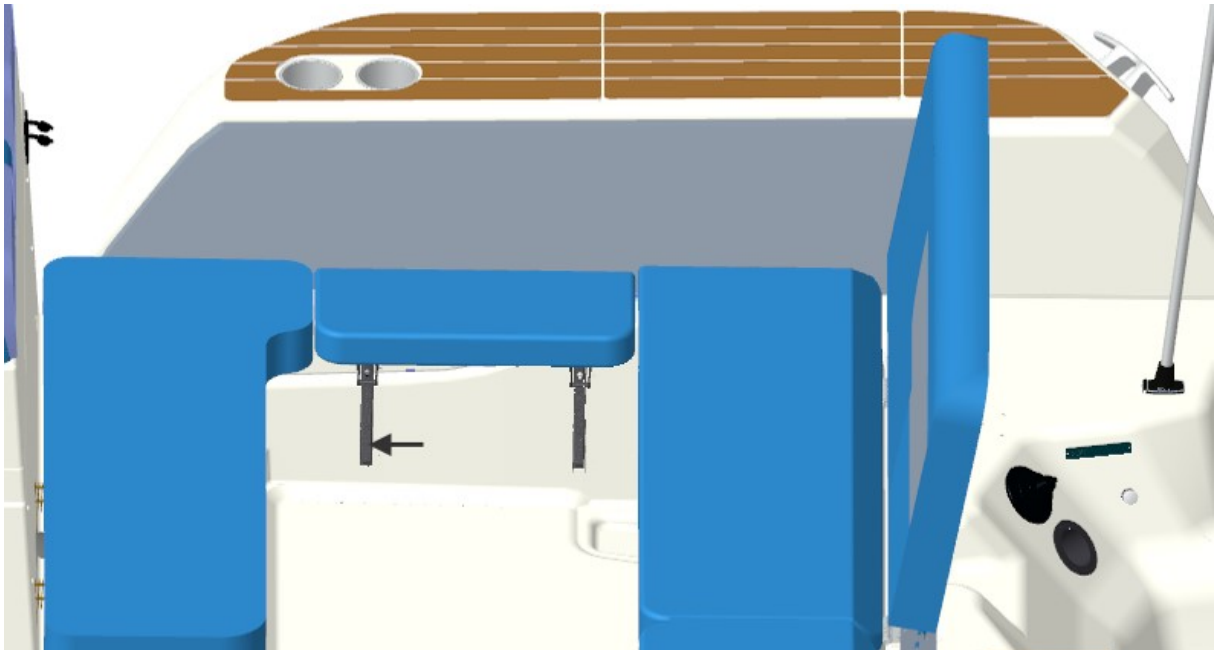


INSTALLATION

- Counter drill the bracket as far to the rear as possible with a $\varnothing 4.5$ mm drill bit



- Inject SIKA sealant into the holes to ensure watertightness and bolt the jump seats through the rear locker.
- Counter drill the bracket as far to the front as possible with a $\varnothing 4.2$ mm drill bit



- Inject SIKA sealant into the hole to ensure watertightness and secure with a sheetmetal screw.

INSTALLATION

VII -2-Installing optional elements

VII-2-1 POLYESTER ROLL BAR



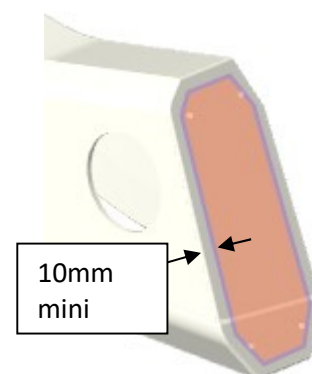
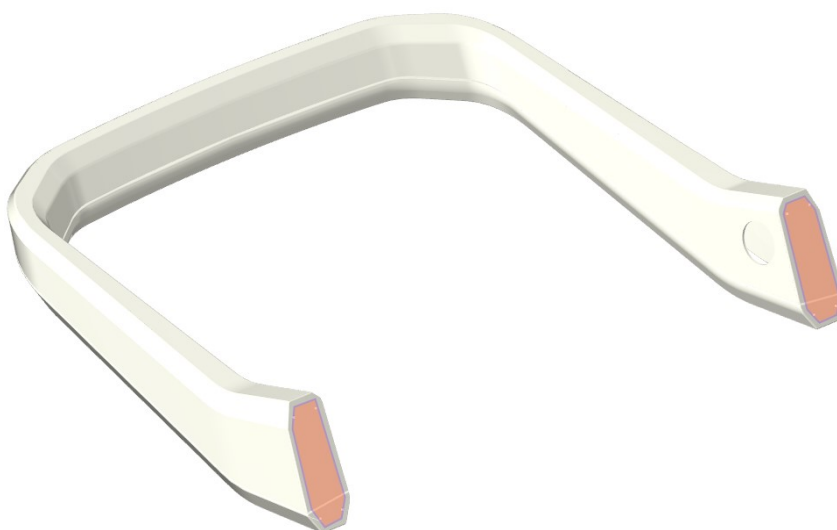
WARNING

The wings must first be secured in order to be able to install the roll bar.

Make sure you install it in the right direction.



- Apply SIKA on the feet of the roll bar. Leave 10 to 15 mm clearance around the edges of the feet so the SIKA doesn't squeeze out when you tighten it down.



- Place the roll bar the wings and align the holes.
- Bolt on with M10 bolts.

**WARNING**

Your attention is drawn to the finishing process in which structural components such as steering consoles, seats and superstructure elements are installed by parties other than the manufacturer. These elements should be installed in compliance with the relevant requirements of ISO 6185-3 to ensure that all such installations do not invalidate the initial assessment.

Also ensure that the subsequent installation of consoles and other structural elements not initially supplied with the boat is performed in accordance with the installation recommendations provided by the manufacturer and ZODIAC's recommendations.



2 chemin de la Val Priout
31450 AYGUESVIVES
FRANCE

MEDLINE 7.5

© Copyright Z NAUTIC - Z NAUTIC S.A.S.U. with capital of 7,095,000.00 Euros- Toulouse Trade Register 812 206 340