

Volume 2

MEDLINE 500 / 580 / 660

608 762- A



CAREFULLY READ THIS MANUAL BEFORE PUTTING YOUR ZODIAC INTO SERVICE.

GENERAL INTRODUCTION

	The owner's manual is in two volumes:
	- volume 1
	Deals with operating precautions and safety recommendations that must be observed.
NOTE:	- volume 2
	Deals with technical specifications and assembly procedure of the boat and its equipment.

This manual contains essential information for the protection of users and equipment. The symbols below are advisories relative to various types of situations.

SECURITY RECOMMENDATIONS

DANGER	Means that there is an extremely serious danger that could result in a very likely probability of death or fatal injury if specific steps are not taken.
WARNING	Means that there is a danger that could result in injury or death if specific steps are not taken.
	Provides a reminder of safety measures or draws attention to dangerous practices that could cause injuries or damage the boat or its components.

GENERAL RECOMMENDATIONS

	This procedure or behaviour complies with the instructions.
-	This procedure or behaviour does not comply with the instructions thus risking damage equipment.
NOTE:	Draws attention to important indications.

E N G L S H

GENERAL INTRODUCTION

Refer to the Manual Volume 1: WARRANTY - GENERAL CONDITIONS



CONTACT YOUR DEALER TO FIND OUT WHAT YOU CAN AND, MOST IMPORTANT, CANNOT DO. YOU COULD RISK YOUR SAFETY AND LOSE YOUR WARRANTY.

The manufacturer shall assume no liability if the directives laid down in this manual are not complied with.



We advise you to keep the owner's manual on board your boat, in a safe, readily accessible place to allow it to be consulted by the coxswain. It is also recommended to keep with your manual any instructions issued by the manufacturers of the boat's equipment. (accessories, etc.).

This manual is part of the boat's standard equipment. Hand it over to the new owner if you sell the craft.

GENERAL INTRODUCTION

Congratulations you are now the owner of a *Medline*. We recommend you read this manual carefully.

It was drawn up to help you get pleasure out of using your boat in complete comfort and safety. It contains the description of the boat, the equipment supplied or installed, and methods and indications needed for its use and servicing.

Read it carefully, and familiarize yourself with the craft before using it.

The driver is fully responsible for the correct operation of the boat and the safety of his passengers. If this is your first craft, or you are changing to a type of craft you are not familiar with, for your own comforts and safety, please ensure that you obtain handling and operating experience before 'assuming command' of the craft. Your salesperson, your dealer, your national nautical Federation or your club will be very happy to advise you on boating schools and competent instructors.

Ensure that the forecast wind and sea conditions correspond to the design category of your boat, and that both you and your crew are able to handle the boat in these conditions.

Category B: The design of the boat shall be compatible with operations in winds up to and including force 8 on the Beaufort scale and in sea states with significant wave heights of up to and including 4 metres.

These conditions may be encountered when sailing far out in open seas, or near the coastline when unprotected from the wind and waves over several nautical miles. These conditions may also be encountered in large inland seas where this wave height may occur.

Category C: The design of the boat shall be compatible with operations in winds up to and including force 6 on the Beaufort scale and in sea states with significant wave heights of up to and including 2 metres.

These conditions may be encountered in exposed inland waters, in estuaries and in coastal waters in moderate weather.

Always use the services of an experienced professional for maintenance, fitting accessories or carrying out modifications. These modifications, which are liable to affect the safety characteristics of the boat must be assessed, carried out and documented by competent persons. Z Nautic cannot be held liable for modifications it has not approved.

Always keep your boat fully maintained and take into account the deterioration which occurs over time or, if applicable, significant or inappropriate usage. All boats - no matter how strong - can be seriously damaged if used incorrectly. Incorrect usage is not compatible with safe navigation.

Always adjust the speed and heading of the boat according to sea conditions. The crew should have on board all the emergency equipment (life jackets, etc.) applicable to the type of boat, meteorological conditions etc. This equipment is mandatory in certain countries. The crew should be trained in the use of all safety equipment and in emergency safety manoeuvres (recovering a man overboard, towing, etc.).

Page 4 / 59

VOLUME 2 DESCRIPTION - BUOYANCY TUBE PROPULSION SYSTEM INSTALLATION AND CIRCUITS

E N G L I S H

CONTENTS

	PAGE
⇒ I - GENERAL DESCRIPTION	
I-1-Technical characteristics	6 - 10
I-2-Inventory	11
I-3-Location of functional items	12 - 17
⇒ II – BUOYANCY TUBE	
II-1-Maintenance	17
II I Mullitchance	18
II-2 Installing the buoyancy tube" on the hull	10
II-3- Fixing the protective flap	19
II-4-Inflation system	20
II-5-Pressure	21 - 22
⇒ III - PROPULSION SYSTEM	23
⇒ IV – IV HOW TO DRIVE YOUR BOAT	24 - 25
⇒ V - INSTALLATION AND CIRCUITS	
V-1-Fuel	26 - 30
V-2-Electricity	31 - 36
V-3-Installation of the draining system	37 – 41
V-4-Steering system	42
V-5-Fire	42
V-6-Anchoring/Mooring	43
V-7-Boarding	44
V-7-Rear hatch opening	45
V-8-Sun lounger	46
⇔ VI - HANDLING	47 - 49
⇔ VII – LABELLING	50 - 51
⇒ VIII – LOCATION OF ACCESSORIES	
VIII-1-Pre-rigging fitting	52
VIII-2- Tendoline	52
VIII-3- Ski mast	53
VIII-4- Radio, GPS	54
VIII-5- Roll bar	55
VIII-6- Teak deck	55

Page 5 / 59

VIII-7- Teak table	56	
VIII-8- Forward sun lounger	55	

Page 6 / 59

E N G L I S H

I-1-TECHNICAL CHARACTERISTICS

Medline 500:

Dimensions				
	(m)	5.01		
	(ft)	16' 5"		
	(m)	4.06		
A CONTRACTOR	(ft)	13' 4"		
	(m)	2.24		
No.	(ft)	7' 4''		
	(m)	1.25		
	(ft)	4' 1"		
	(m)	0.5		
	(ft)	1' 8"		
All dimensions indicated have a tolerance of +/- 2.5%				
Design category				

C€ (Directive 2013/53/EU)

Capacity III (ISO) C= 9 kg ⁽¹⁾ lb ⁽¹⁾ kg ⁽²⁾ lb ⁽²⁾ 1,232 2,716 Maximum ISO 14945 <u>ம</u>ி 353 4 ₽ 778 5 ▶ Compartment All dimensions indicated have a tolerance of +/- 5%

	Engine				
			L- Single engine		
	Minimum	HP ⁽³⁾	40		
	recommended power	kW ⁽³⁾	29.4		
E-	Maximum	HP ⁽³⁾	80		
	recommended power	kW ⁽³⁾	58.9		
	Maximum allowed	HP ⁽³⁾	80		
	power	kW ⁽³⁾	58.9		
	Maximum engine	kg	191		
Maximum	weight	lb	422		

Hull dimensions					
a	a ⁽⁴⁾	4.5 m			
	u	14' 9"			
	b ⁽⁴⁾ c ⁽⁴⁾	1.53 m			
c -		5' 0"			
		1.43 m			
		4' 8''			

All dimensions indicated have a tolerance of +/- 1%

С

Medline 580:					
			Dimer	nsions	
		(m)			5.8
		(ft)			19' 0''
		(m)			4.91
		(ft)			16' 1"
		(m)			2.54
-		(ft)			8' 4"
	-	(m)			1.44
		(ft)			4' 9''
V V		(m)			0.55
	>	(ft)			1' 10"
		× 7		All dimer	nsions indicated have a tolerance of +/- 2.5%
			Design c	ategory	
CE (Dir	rective 20	13/53/EU)			С
			Сара	ocity	
			Capa	icity	C= 12
0	180)	1 (1)			
	O 14945	kg (1)			1,420
	0 14945	lb ⁽¹⁾			3,130
	<u></u>	kg (2) lb (2)	601		
	Þ	ID (2)	1,325		
					5
Compartment					5
Compartine				Al	l dimensions indicated have a tolerance of +/- 5%
			Eng	ine	
	Long	XL			XL- Single engine
5-		nimum		(3)	80
1	recomme	nded power	kW	7 (3)	58.9
5		kimum	HP		115
d.	recomme	nded power	kW	7 (3)	84.6
57	Maximu	im allowed		(3)	115
l l	power		kW	/ (3)	84.6
Maximum engin			k	g	244
Maximum weight		1	b	538	
			Hull din	nensions	
a	b	a (4)			5.25 m
	6				17' 3"
		_ ···			1.89 m
		b (4)			6' 2''
a s	c				~ -

5' 3" All dimensions indicated have a tolerance of +/- 1%

1.6 m

c (4)

Medline 660: Dimensions (m) 6.6 Æ 21' 8" (ft) 5.71 (m) 18' 9" (ft) 2.54 (m) (ft) 8' 4" 1.39 (m) 4' 7" (ft) 0.575 Ø (m) 1' 11" (ft) All dimensions indicated have a tolerance of +/- 2.5%

	Design category				
(Directive 2013/53/EU)		EU)	С		
, in the second s	ÎN (ISO)		C= 14		
	150 14046	kg (1)	1,500		
🔍 🛱 Maximum	ISO 14946	lb ⁽¹⁾	3,307		
	150 14045	kg (1)	1,600		
	ISO 14945	lb ⁽¹⁾	3,527		
			830		
kg ⁽²⁾ lb ⁽²⁾		lb (2)	1,830		
			5		
Compartment					

Compartme	ent					
		A	<i>Il dimensions indicated have a tolerance of +/- 5%</i>			
	Engine					
			XL- Single engine			
$ \longrightarrow $	Minimum	HP ⁽³⁾	115			
	recommended power	kW ⁽³⁾	84.6			
	Maximum	HP ⁽³⁾	200			
	recommended power	kW ⁽³⁾	147.2			
	Maximum allowed	HP ⁽³⁾	200			
	power	kW ⁽³⁾	147.2			
	Maximum engine	kg	293			
Maximum	weight	lb	646			

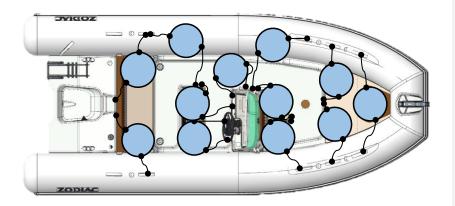
Hull dimensions					
a	a ⁽⁴⁾	6 m			
	a	19' 8"			
	h ⁽⁴⁾	1.805 m			
	D (''	5' 11"			
	c ⁽⁴⁾	2.04 m			
NIZ I	0.17	6' 8''			

All dimensions indicated have a tolerance of +/- 1%

E N G L I S H

WARNING	The maximum load on the manufacturer's plate should not be exceeded. We recommend that you exercise caution when the boat is at maximum capacity and spread the load to maintain an appropriate trim. 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.					
	1- Weight of people					
	2- Personal property					
	3- List of all options proposed					
	4- Content of liquid consumable tanks (fuel, drinking water, etc.),					
	weight of the engine or engines					

NOTE	 (2) Weight shown not including accessories, (3) The recommended power corresponds to optimal use of the boat's capacities for an average load. Where the maximum power exceeds the maximum recommended power it must be treated with extreme care. 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. (4) Hull dimensions without buoyancy tube.
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Seat with handles for the Medline 580 (category C)

DESCRIPTION - INVENTORY

Page 10 / 59

I-2-INVENTORY

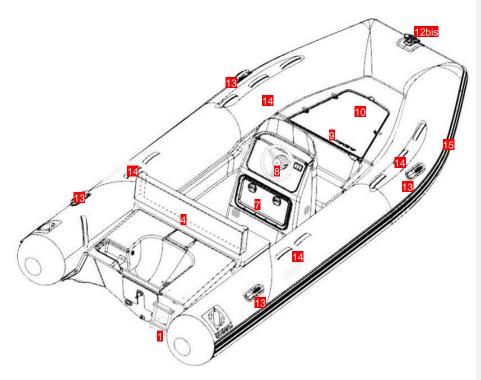
	HULL	500 CLUB	500	540	580	660
 polyester hull 		•	•	٠	•	•
 counter-moulded, ant 	-slip deck	•	•	٠	•	٠
• 1 bow ring	·	•	•	٠	•	•
• 1 anchor locker + sep	arating bulkhead	•	•	٠	•	•
Console with steering	wheel	•	•	٠	•	٠
Hydraulic steering (58					•	•
Windscreen and hand			•	•	•	•
Windscreen and hand	le	•				
 Pilot and co-pilot seat 	with fixed back	•	•			
 Pilot and co-pilot seat 	back that folds into a sun lounger			٠	٠	•
Leaning post	Ŧ				•	•
• 1 Fuel tank			•	•	•	•
 1 fuel/water separator 	filter		•	•	•	•
1 battery tray		•	•	•	•	•
Bathing ladder with b	ooarding handle	•	•	•	•	•
Electric bilge pump	6				•	•
 2 Towing chain plates 			•	•	•	•
 2 high flow rate self-t 		•	•	•	•	•
1 hull drain hole		•	•	•	•	•
- Thun drum note	BUOYANCY TUBES	-				
Removable buoyancy		•	•	•	•	•
Easy push valves		•	•	•	•	•
Broad rubbing strip		•	•	•	•	•
External handles		•	•	•	•	•
Mooring cleat (NEO)	only)		•	•	•	•
Short cones	sing)	•	•	•	•	•
Bow roller		•	•	•	•	•
	STANDARD EQUIPM	1	•	•	•	
• 2 telescopic paddles		•	•	•	•	•
Foot inflator		•	•	•	٠	•
Pressure gauge cap		•	•	•	•	•
 Repair case / Owner's 	manual	•	•	•	•	•
	OPTIONAL ACCESSO	RIES	1		1	
Synthetic teak deck		•	٠	٠	٠	•
Forward teak table		•	•	•	•	•
	nd removable forward sun lounger			•	•	•
Lifting points	in removable forward sun fouliger	•	•	•	•	•
 Shower kit + freshwa 	ter tank (40 litres)	•	•	•	•	•
 Electric bilge pump 	(+0 IIICS)	•	•	•		-
		_	-			
	tion linkto	•	•	•	•	•
Coloured night naviga	ation lights	•	•	•	•	•
Bimini awning		•	•	•	•	•
 Other options available 	le. See your ZODIAC dealer	•	٠	٠	•	•

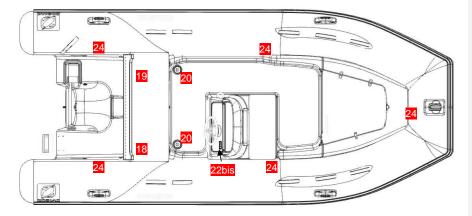
E N G L I S H

Page 11 / 59

I -3- LOCATION OF FUNCTIONAL ITEMS

Medline 500 CLUB

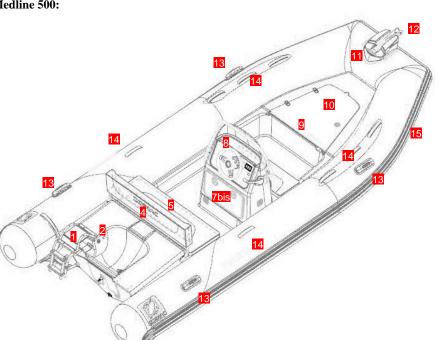


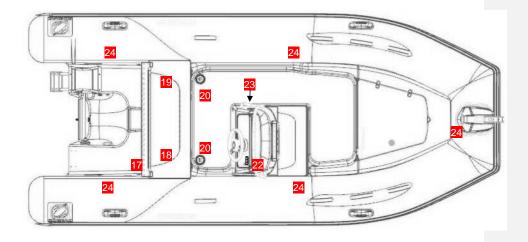


Page 12 / 59

E N G L I S H

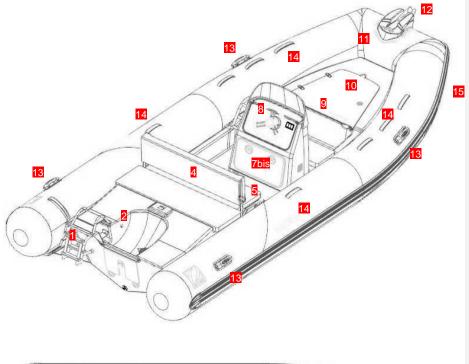


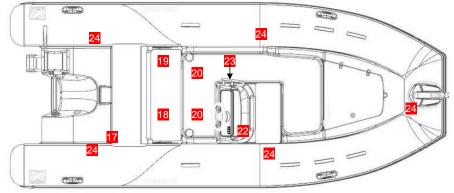




Page 13 / 59

Medline 540:

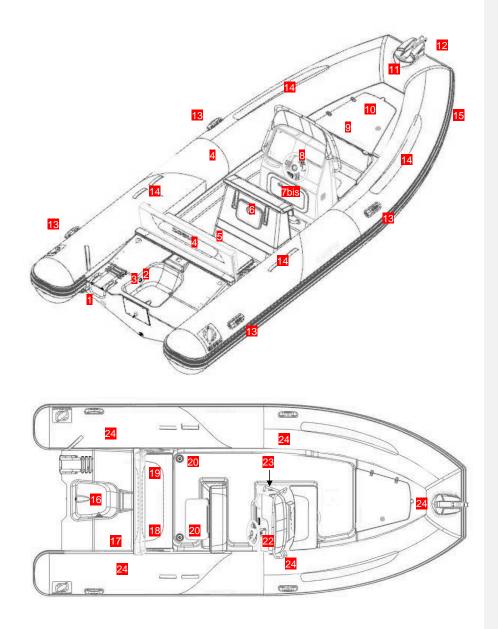




Page 14 / 59

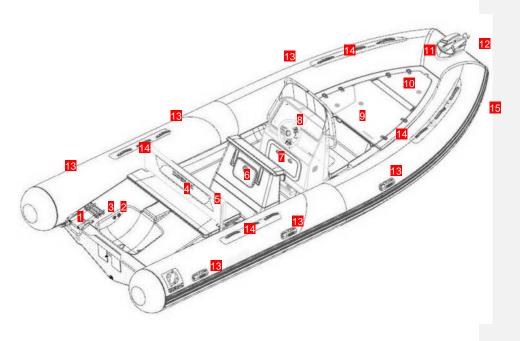
Medline 580:

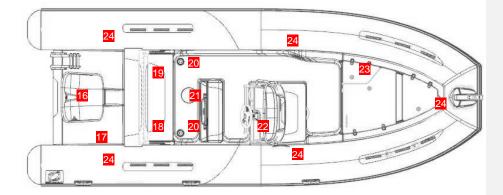
E N G L I S H



Page 15 / 59

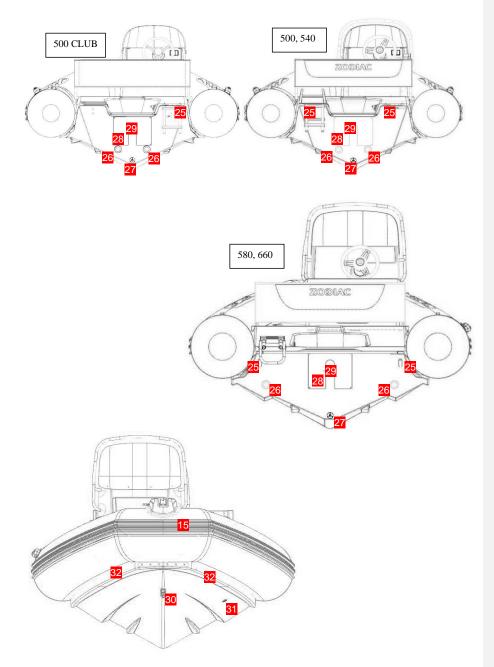
Medline 660:





Page 16 / 59







REF.	DESCRIPTION		500 CLUB	500	540	580	660
1	Boarding ladder		•	•	•	•	•
2	Tank vent			•	•	٠	•
3	Bilge pump outlet					•	•
4	Rear seatback		•	٠	٠	•	•
5	Rear locker		•	٠	٠	٠	•
6	Leaning post + chest					•	•
7	Console chest		•				•
7bis	Console chest, tank access			•	•	•	
8	Cockpit		•	٠	٠	٠	•
9	Forward locker		•	•	٠	٠	•
10	Anchor locker		•	٠	٠	٠	•
11	Mooring cleat (neoprene buoyancy tub			•	•	•	•
12	Plastic bow roller (PVC buoyancy tube	e)	•	•	•	•	
12bis	Stainless steel folding bow roller (neoprene buoyancy tube)			•	•	•	•
13	Carrying handles		•	•	•	•	•
14	Buoyancy tube handles		•	•	•	٠	•
15	Rubbing strip		•	•	•	•	•
16	Bilge pump				•	•	•
17	Fuel filter. Fuel cock	Inside the rear		•	•	٠	•
18	Battery switch	locker	•	٠	•	•	•
19	Battery (box)		•	•	•	•	•
20	Deck drain + plug		•	•	•	•	•
21	Tank access hatch. Fuel tap			•	•	•	•
22	Switches			•	•	•	•
22bis	Switch location		•				
23	Filling the tank			•	•	•	•
24	Inflation/deflation valves		•	•	•	•	•
25	Towing chain plates			•	•	•	•
26	Deck drain thru- hull fitting		•	•	•	•	•
27	Hull scupper		٠	•	٠	٠	•
28	Martyr plate		•	•	•	•	•
29	Engine recess drain		•	•	•	•	•
30	Bow chain plate		•	•	•	•	•
31	Fuel overflow drainage (660)						•
32	Buoyancy tube flap fastening (660)						•

BUOYANCY TUBE- MAINTENANCE

II-1-MAINTENANCE OF THE BUOYANCY TUBE

Your boat's buoyancy tube is made from STRONGAN DUOTEX [®] **1100** Decitex or NEOPRENE HYPALON [®] **1100** Decitex fabric, 1,300 g/m²

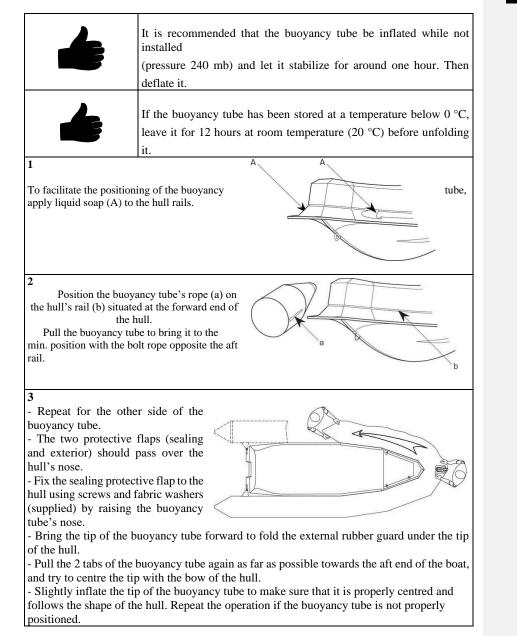
• The maintenance recommendations are specified in VOLUME I of the owner's manual.

Page 18 / 59

E N G L I S H

BUOYANCY TUBE – INSTALLING THE BUOYANCY TUBE ON THE HULL

II-2-INSTALLING THE BUOYANCY TUBE ON THE HULL

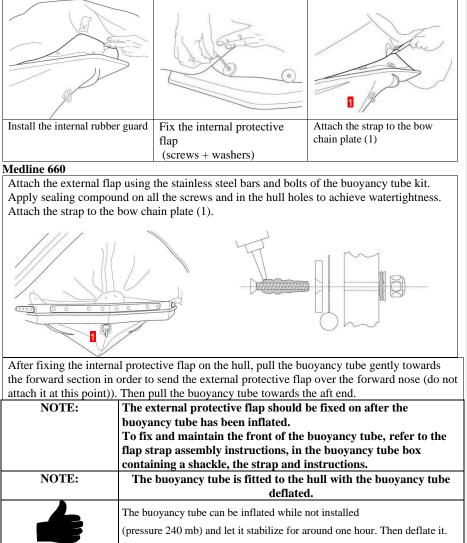


Page 19 / 59

BUOYANCY TUBE – FIXING THE PROTECTIVE FLAP

II -3-SECURING THE PROTECTIVE FLAP

Medline 500/500 club, 540, 580



Page 20 / 59



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

E N G L I S H

Page 21 / 59

BUOYANCY TUBE – INFLATION SYSTEM

II -4-INFLATION SYSTEM

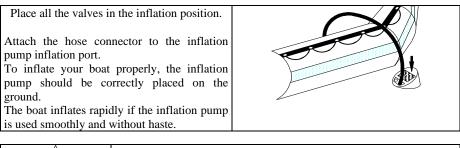
THE INFLATION PUMP



* An electrical (12 V) high output inflation pump is available as an option (Contact your dealer).

"EASY PUSH" VALVES

To change position	In inflating position	In deflating position
Push	The membrane is closed, the plunger is up	The membrane is open, the plunger is down





Do not use a compressor or compressed air cylinder.

BUOYANCY TUBE - PRESSURE

Page 22 / 59

E N G L I S H

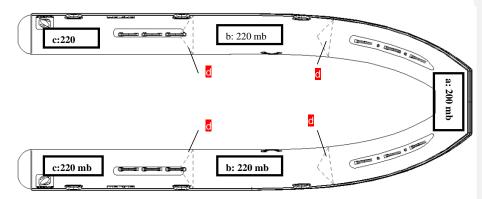
II-5-PRESSION

The buoyancy tube has 5 compartments. Each must be inflated to 240 mb.

The key to good inflation is as follows:

Place the adapter corresponding to the diameter of the semi-built in valve at the inflation pump hose nozzle.

Inflate the buoyancy tube, starting with the first compartment (a) at the bow, to 200 mb pressure. Then inflate the amidships tubes (b), to 220 mb read on the pressure gauge on the first compartment. 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.



Inflation is completed: Screw on the inflation valve plugs.

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

The correct pressure for the buoyancy tube is 240 mb/ 3.4 PSI.

Your boat is fitted with an *ACCESS* pressure indicator which provides a quick, efficient readout during inflation (see explanations for use in the "Inflation system" section).

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

BUOYANCY TUBE - PRESSURE

Thus it is important to anticipate:

Page 23 / 59

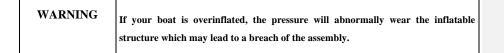
Check and adjust the pressure of inflatable compartments (by inflating or deflating) depending on the temperature (particularly when temperature variations are high between the morning and evening in hot regions) and check that the pressure does not leave the recommended pressure zone (from 220 to 270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

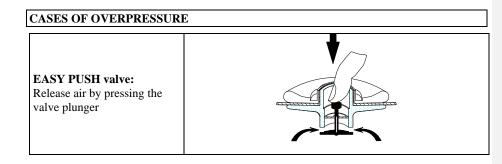
LOW PRESSURE RISK:

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.

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 must then deflate** the boat to return to the recommended pressure.





PROPULSION SYSTEM

III-PROPULSION SYSTEM

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

Page 24 / 59

E N G L I S H

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).

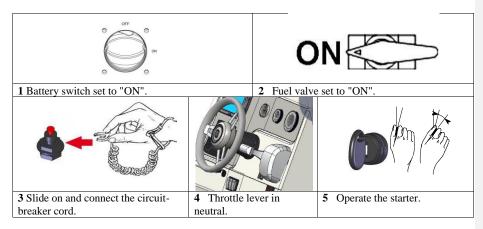
	When installing the engine on the Medline 500 and 540, it is at the dealer's discretion
	to produce and fit the steering cable outlet cable grommet. In order to do that, the
WARNING	engine must be secured then the hole for the steering cables drilled in the deck,
	aligning with the engine steering bar.

HOW TO DRIVE YOUR BOAT

IV - HOW TO DRIVE YOUR BOAT

Before starting, refer to the Manual - Volume 1.

Page 25 / 59





* 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 the both of the emergency circuit breaker cord correctly.

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



30 kts MAXIMUM



For the Medline 660 only: manoeuvrability limited to 30 kts maximum. Risk of loss of control in tight turns. Reduce speed before turning in any direction.

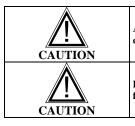
HOW TO DRIVE YOUR BOAT

Page 26 / 59

When underway, keep all the lockers and the tank access hatch closed (Medline 660). Breaking waves can represent significant dangers for stability and flooding.
Make sure that the anchoring system (anchor and bow roller) is correctly secured.

Check that the b

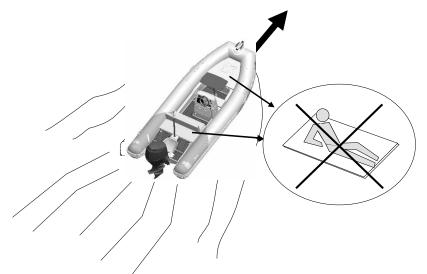
Check that the buoyancy chamber is correctly inflated



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

E N G L I S H

Do not use the sun loungers when underway in order to prevent any risk of falling overboard.





INSTALLATION AND CIRCUIT – FUEL

Commenté [TI1]: Plutôt Installation and system - Fuel Le mot Circuit en anglais est plutôt utilisé pour l'électricité.

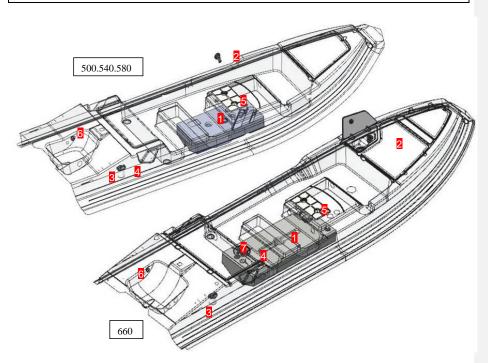
V-INSTALLATION AND CIRCUIT

V-1-FUEL



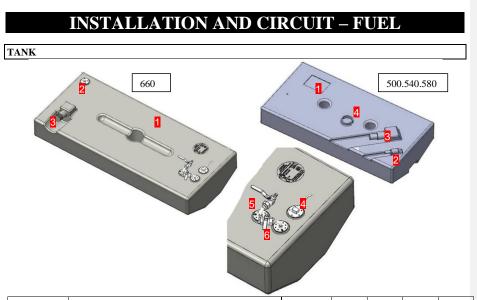
Do not use E10 type, etc., biofuels.

LOCATION OF PARTS



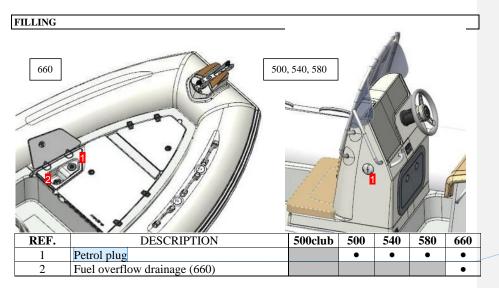
REF.	DESCRIPTION	500club	500	540	580	660
1	Fuel tank		•	•	•	•
2	Filling hole		•	•	•	•
3	Water/fuel separator filter		•	•	•	•
4	Fuel circuit shut-off valve		•	•	•	•
5	Maintenance access hatch		•	•	•	•
6	Tank vent		•	•	•	•
7	Fuel circuit valve					•

Page 28 / 59



REF.	DESCRIPTION	500club	500	540	580	660
1	Tank*		90L	90L	90L	200L
2	Vent outlet		•	•	•	٠
3	Tank filler inlet		•	•	•	•
4	Gauge transmitter		•	•	•	•
5	Fuel circuit shut-off valve		•	•	•	•
6	2 nd unused fuel circuit 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.



Commenté [TI2]: Plutôt : Fuel cap

E N G L I S H

INSTALLATION AND CIRCUIT – FUEL

WATER/FUEL SEPARATOR FILTER



REF.	DESCRIPTION	500club	500	540	580	660
1	Water/fuel separator filter		•	•	•	•
2	Fuel circuit shut-off valve		•	•	•	
3	Replaceable filter cartridge		•	•	•	•



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

<u>Changing the filter cartridge:</u> Follow ZODIAC's recommendations and those of the filter manufacturer. Follow the manual or the engine manufacturer's instructions.

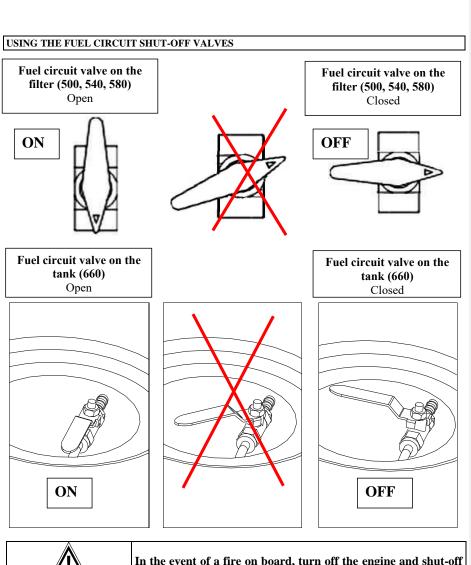
Place a draining funnel under the cartridge to be replaced. Before replacing the filter, the pressure in the fuel feed system must be released.



INSTALLATION AND CIRCUIT – FUEL

Page 30 / 59

Commenté [TI3]: Je suggère "fuel supply system" au lieu de "fuel feed system" Je suggère 'must be relieved' au lieu de 'must be released'.



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

E N G L I S H

NOTE:

WARNING

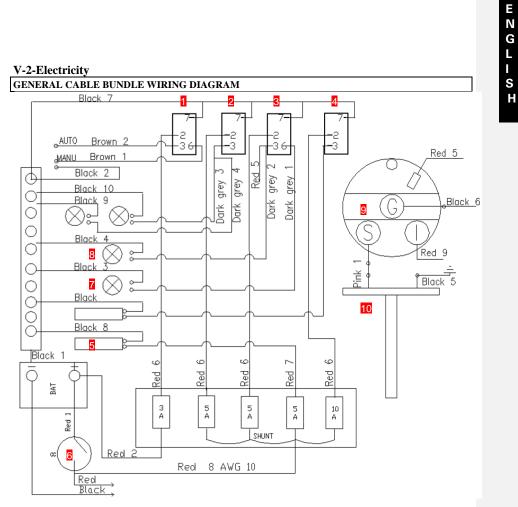
When not using your boat, close the fuel circuit valve.

INSTALLATION AND CIRCUIT – FUEL

Page 31 / 59

RECOMMENDATIONS 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. WARNING Z 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. WARNING ☑ Shut off the power supply before removing the filter cartridge. Z 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. WARNING Never drill the tank area with a drill bit protruding more than 30 mm from the drill head (mark on the deck by a hatch) and do not use screws over 25 mm long. WARNING Do not store flammable products in the aft compartment. It is strictly forbidden to store a jerrycan. DANGER Do not, under any circumstances, modify the fuel installations, or allow unqualified personnel to carry out modifications to these installations. DANGER

INSTALLATION AND CIRCUIT – ELECTRICITY



REF.	DESCRIPTION	500 CLUB	500	540	580	660
1	Bilge pump switch	OPTION	OPTION	OPTION	•	•
2	Courtesy light switch	OPTION	OPTION	OPTION	OPTION	OPTION
3	Navigation light switch	OPTION	OPTION	OPTION	OPTION	OPTION
4	Shower pump switch	OPTION	OPTION	OPTION	OPTION	OPTION
5	Cigarette lighter	OPTION	OPTION	OPTION	OPTION	OPTION
6	Circuit-breaker	•	•	•	•	•
7	Red / green light	OPTION	OPTION	OPTION	OPTION	OPTION
8	White light	OPTION	OPTION	OPTION	OPTION	OPTION
9	Fuel gauge dial		•	•	•	•
10	Petrol gauge transmitter *		•	•	•	•

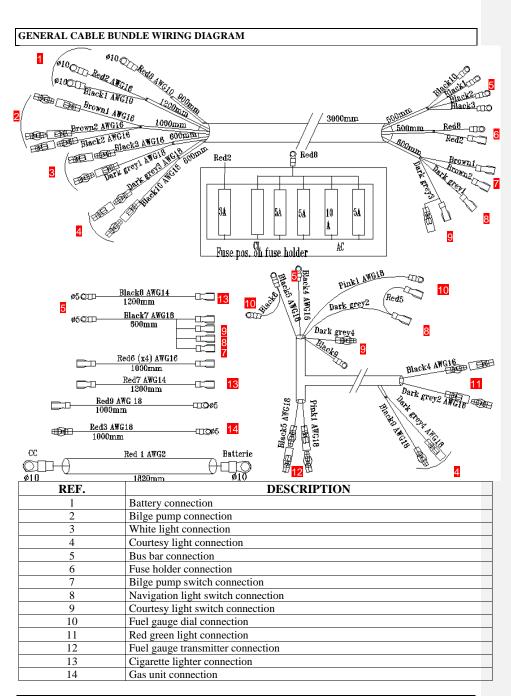
*The petrol gauge transmitter is a standard American type:

Impedance (tank empty position) 30 Ohms

Impedance (tank full position) 240 Ohms

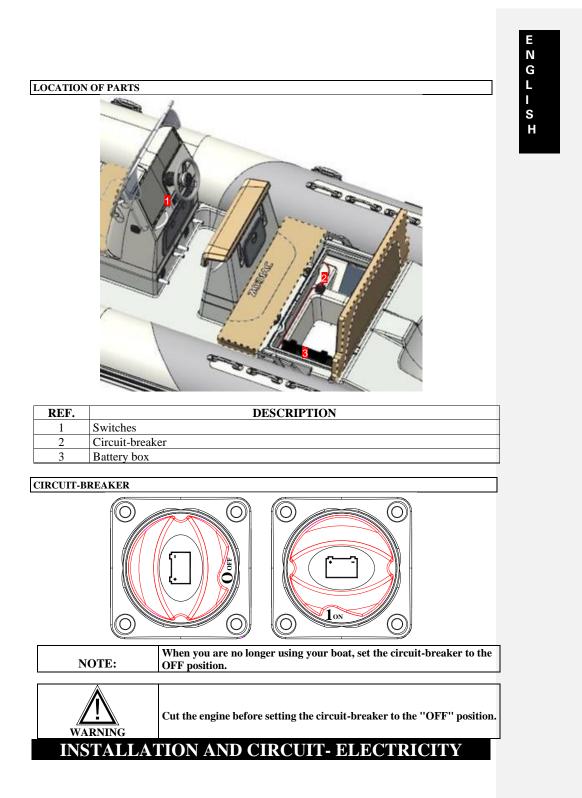
INSTALLATION AND CIRCUIT – ELECTRICITY

Page 33 / 59



INSTALLATION AND CIRCUIT – ELECTRICITY

Page 34 / 59



Page 35 / 59

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	Tap water contains minerals which can lead to battery damage. 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:	Wintering (boat out of the water): ☑ IF YOU DO NOT PLAN TO USE YOUR ZODIAC® 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 PUT AWAY 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 – ELECTRICITY

WIRING AN ACCESSORY

Page 36 / 59

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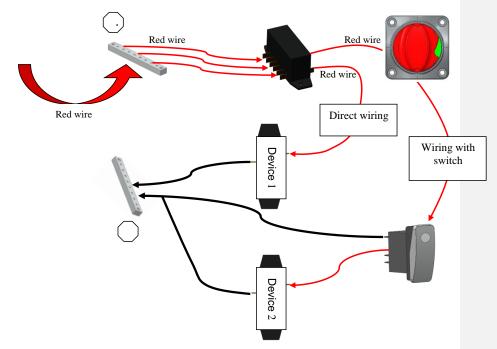
① Choose a free fuse location.

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

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 \emptyset 5 "ring terminal" (same comment as for the cable above),

 $\ensuremath{\mathbb S}$ Insert an ATO type fuse with a max current of 15 A and greater than the load current of your device.



INSTALLATION AND CIRCUIT – ELECTRICITY

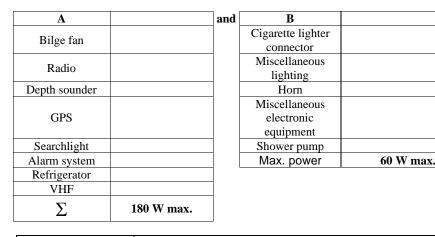
CONNECTION OF OPTIONS

The boat is provided as standard with a bilge pump, and optional navigation lights and a cockpit shower. 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:

 $A \rightarrow$ Accessories that are used or which may be used continuously during normal use of the boat,

 $\mathbf{B} \rightarrow$ Accessories that are used intermittently.





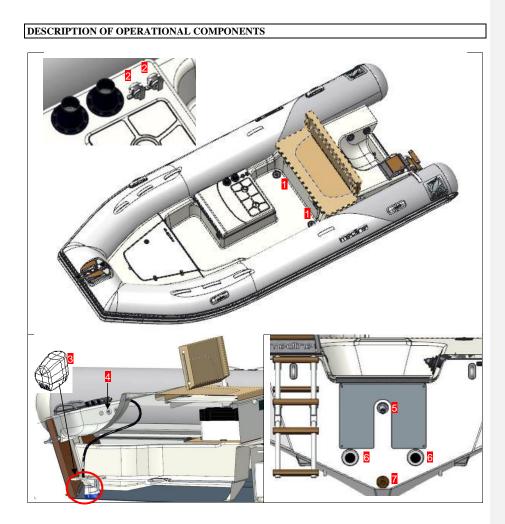
You must make sure that the total power of the accessories you add in column A is 180 W (15 A) or less AND that the max power of an accessory in column B is 60 W (5 A) or less. The cross-sections of the different cables in the wiring circuit were calculated using these figures; not following this rule may lead to electrical faults and cause short circuits.

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

Commenté [T14]: Je propose plutôt: The cross-sections (size) of the various cables in the harness have been calculated with these values; failure to comply with this rule may lead to electrical malfunctions and result in short circuits.

INSTALLATION AND CIRCUIT - Draining

Page 38 / 59



E N G L I S H

REF.	DESCRIPTION	500 CLUB	500	540	580	660
1	Deck self-bailer	•	•	•	•	•
2	Thru- hull plugs	•	•	•	•	•
3	Bilge pump				•	•
4	Bilge pump outlet				•	•
5	Engine recess drain	•	•	•	•	•
6	Through-hull with membrane	•	•	•	•	•
7	Hull scupper	•	•	•	•	•

INSTALLATION AND CIRCUIT - Draining

Page 39 / 59

SELF-BAILER



Out of the water (on trailer, cradle, etc.)



Self-bailer in open position, plug removed.

In the water

	☑ Underway Self-bailer in closed position, plug(s) in position.
4	☑ Water draining procedure When stopped, remove the plugs, then accelerate until on plane (> 6 knots) for as long as it takes to drain the water. When stopped, replace the plugs.
	At anchor -when temporarily anchored or in other situations where the boat is not likely to take on large quantities of water (e.g. heavy rain), breaking waves) insert or remove the plugs as you see fit. -long-term or risky anchoring Remove the plugs.
WARNING	In the event of the boat collecting a large amount of water from the outside (heavy rain,) with the plugs kept in place, the boat is likely to sink (swamped). The water taken on may then accumulate in the bilge and make the boat much heavier causing it to lie low in the water and cause serious damage to certain units such as the engine or the electrical circuits.

INSTALLATION AND CIRCUIT - Draining

Page 40 / 59

BILGE PUMP (580, 660)

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

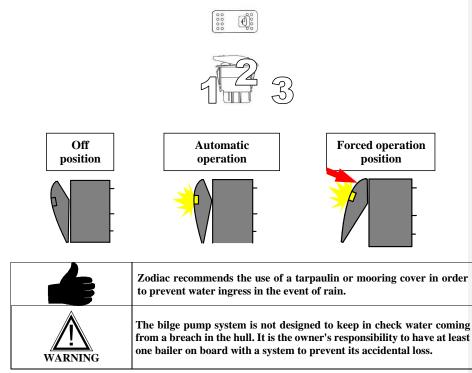
 \bigcirc Automatic operation (set position): in this position, the bilge pump operates automatically. The indicator light is on. You may notice that the bilge pump indicator is on. The indicator will not run down your battery, even when at anchor for several months.

^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 the Stop position (2).

This position is for draining remaining water from the bilges.



INSTALLATION AND CIRCUIT - Draining

Page 41 / 59

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



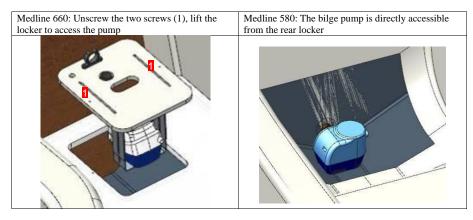
At anchor, set the bilge pump switch to the automatic position.

The output of your pump is approximately 30 litres a minute (580, 45 litres a minute (660). It may be accessed via the after locker.



CHECK THE OPERATION OF THE BILGE PUMP AT REGULAR INTERVALS (see manual). Clean the intake strainers of any debris liable to cause a blockage.

Access to the bilge pump is through the rear locker





INSTALLATION AND CIRCUIT - Draining

HULL SCUPPER

Page 42 / 59





Out of the water (on trailer, cradle, etc.)



Open position, drain plug removed.

In the water



Closed position, drain plug fitted. (make sure the plug is properly closed)

THROUGH-HULL WITH MEMBRANE

NOTE	The through-hull incorporates:
	 A FLEXIBLE FIXED MEMBRANE WHICH: bends out of shape, enabling the emptying, under certain conditions, of water which has collected on the deck inside the boat when the boat is moving. covers, to provide temporary insecure watertightness, in order to prevent any untimely water input from the outside to the inside of the boat.
	The self-bailer incorporates:
	 ☑ A detachable plug which, depending on its position, it guarantees the final watertightness between the inside of the boat and the outside. ☑ A CLIP WHICH IS USED TO STOW THE PLUGS.

Page 43 / 59

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 - FIRE

V-5-FIRE

WARNING	We recommend that 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.
WARNING	

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.

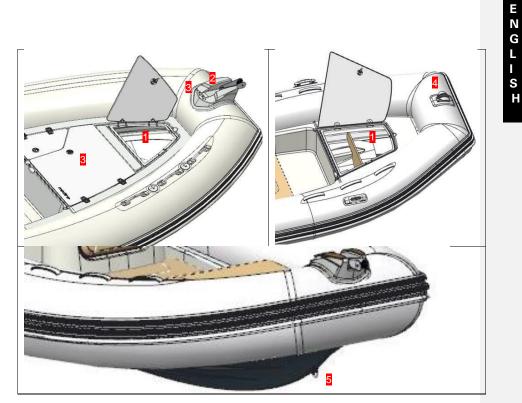
The recommended position for the extinguisher is inside the stern locker or console.

- 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.

INSTALLATION AND CIRCUIT -ANCHORING/MOORING

V-6-ANCHORING/MOORING

Page 44 / 59



REF.	I	500 CLUB	500	540	580	660	
1	Anchor locke	•	٠	٠	•	•	
2	Polyester bow		٠	٠	•	٠	
3	Cleats		٠	٠	•	٠	
4	Plastic bow re	•	٠				
5	Bow chain pla	•	٠	٠	•	٠	
WA		The cleats can only be used for For permanent mooring, use th Choose your anchor chain acco not hesitate to contact your Des	e bow chain pl ording to the ler	ate.			ooat (D

V-7-BOARDING

A ladder is a standard fitting on the boat.



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

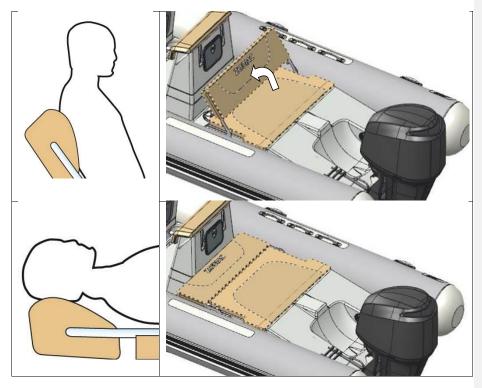
SUN LOUNGER AND UPHOLSTERY

V-8- OPENING THE REAR LOCKER

Page 45 / 59



V-9-AFTER SUN LOUNGER



DESCRIPTION - HANDLING

VI – HANDLING

Page 46 / 59

TRANSPORT

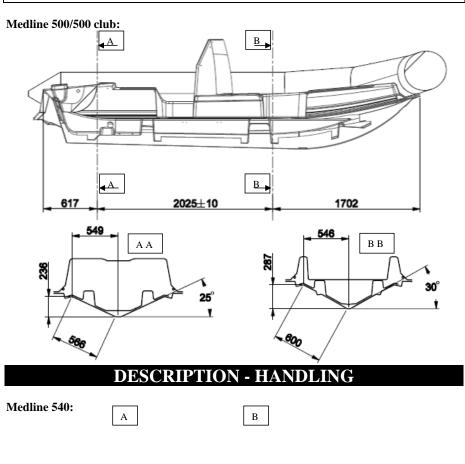
• The trailer installation recommendations are specified in VOLUME I of the owner's manual.

E N G L I S H

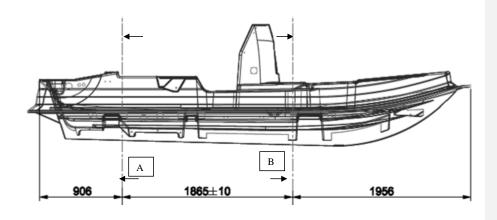
Use a trailer adapted to your boat. The weight in transport conditions for a trailer includes (see the example below for a Medline 660):

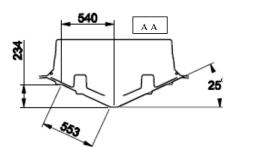
Unladen weight of the	boat:	790 kg	Tolerance +/- 5 %
Weight of the engin	e(s):	291 kg	Engine
Consumable quantity:		152 kg + 40 kg	Fuel and freshwater tank
Opt	tions:	107 kg	Model including all options
Safety equipr	nent:	30kg + 70 kg	Equipment and life raft
	Σ:	1,480 kg	
	Stowi		nen the boat is being towed. gradle: Use the bow ring and the rear chain the transom.

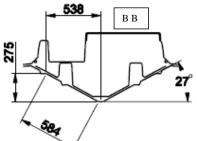
STORAGE



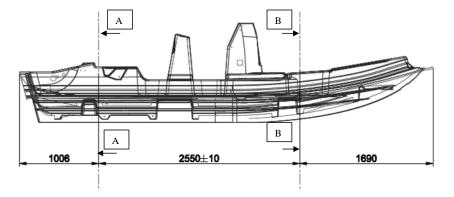








Medline 580:

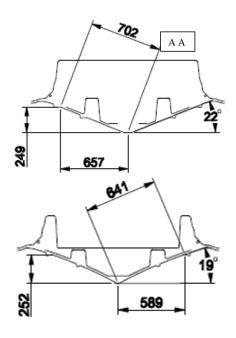


DESCRIPTION - HANDLING

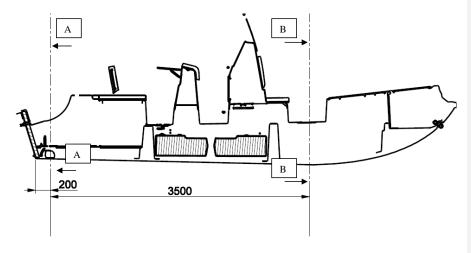
Page 48 / 59



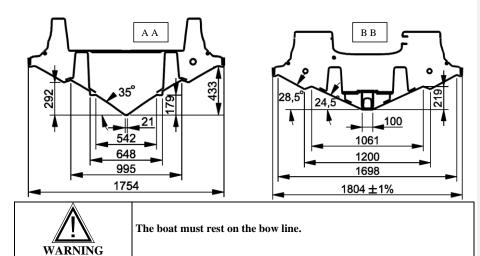
ВB



Medline 660:





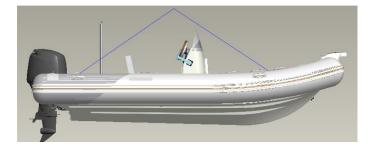


DESCRIPTION - HANDLING

LIFTING



The standard version of the boat has no lifting devices. The lifting operation must be carried out using the optional lifting appliances. Lifting must be carried out by professionals.



WARNING	No passengers on board while hoisting
	All equipment must be unloaded from the boat for hoisting. 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).

Page 50 / 59

Е N G L S H

1

2

2

LABELLING

VII- DESCRIPTION OF SAFETY LABELS AND REGISTRATION PLATES



A WARNING	AVERTISSEMENTS
OD 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	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 (-) 1



GASOLINE IS HIGHLY INFLAMMABLE AND EXPLOSIVE

A WARNING

L ESSENCE EST TRES FORTEMENT INFLAMMABLE ET EXPLOSIVE • ARRETER LE MOTURA AVANT TOUT REMPLISSAGE. • NE PAS FUMER LORS DU REMPLISSAGE. • FAIRE LE PLEIN DANS UN ENDROIT VENTILE. • EVITER DE REINVERSER DU CARBURANT ESSUYER IMMEDIATEMENT TOUTES LES FLAQUES DE CARBURANT CREEES • LES FUITES DE CARBURANTS CONSTITUENT UN RISQUE D' INCENDE TO EXPLOSION • VERIFIER LE CIRCUIT CARBURANT AVANT CHAQUE UTILISATION L' ESSENCE EST TRES FORTEMENT INFLAMMABLE STOP ENGINE BEFORE REFUELINS REFUEL IN WIELL VENTLIATED AREA NEVER REFUEL WHILE SMOKING, AROUND SPARKS OR OPENFLAWE AVOID SPILLING FUEL WIPE UP ALL FUEL SPILLS IMMEDIATELY LEAXING FUEL IS A FIRE HAZARD AND EXPLOSION HAZARD INSPECT FUEL SYSTEM BEFORE EACH USE

A AVERTISSEMENTS

IMPROPERLY TOWING YOUR BOAT CAN CAUSE SEVERE DAMAGE TO YOUR BOAT. • NEVER TOW IN OPEN SEAS • NEVER TOW ABOVE 6 KNOTS	UN REMORQUAGE INAPROPRIE PEUT ENDOMMAGER VOTRE BATEAU • NE PAS REMORQUER EN PLEINE MER • NE PAS REMORQUER A PLUS DE 6
	NOEUDS 3

Page 51 / 59

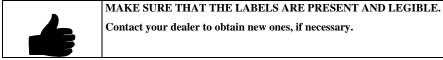
	VERTISSEMENT	
DO NOT LIFT THE BOAT WITH PASSENGERS ON BOARD PASSAGERS A BORD		4

Page 52 / 59

LABELLING **A** DANGER A DANGER TO AVOID INJURY OR DEATH, SHUTT OFF POUR EVITER DES BLESSURES OU LA ENGINE WHEN NEAR SWIMMERS OR PRIOR MORT, COUPER LE MOTEUR EN APPROCHANT DE NAGEURS, ET AVANT TO USING SWIN PLATFORM AND BOARDING LADDER TOUTE UTILISATION DE LA PLATEFORME ARRIERE OU DE L' ECHELLE DE BAIN 5 5 **A**DANGER **A** DANGER A FIRE EXTINGUISHER MUST BE CARRIED AT UN EXTINCTEUR DOIT ETRE DISPONIBLE EN PERMANENCE A BORD ALL TIMES 6 6 INSTRUCTIONS 7 8 9 10 **30 KNTS MAXIMUM**

E

NGLISH



Page 53 / 59

LOCATION OF ACCESSORIES

VIII-1-PRE-RIGGING ENGINE ASSEMBLY (not supplied). Medline 500, 500 club, 540:



VIII-2-TENDOLINE



Page 54 / 59

LOCATION OF ACCESSORIES

VIII-3- SKI MAST

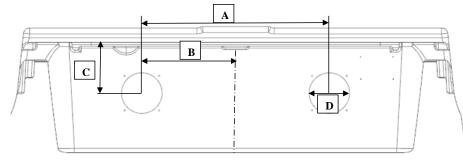
In order to guarantee the surface condition of the stainless steel and avoid corrosion, use products adapted to the treatment of stainless steel or clean and dry at the start and end of each season using freshwater. Apply products in accordance with your product manufacturer's instructions. The ski mast must only be used for towing water-skiers or wake-boarders. It is strictly forbidden to tow watercraft or boats. Use the aft chain plates for towing or pulling buoys.



VIII-4- Radio, GPS

Secure the plugs using a suitable tool. Seal the assembly using Sika sealant. For optimum use, please contact your dealer.





	А	В	С	D
Medline 580	670 mm	425 mm	190 mm	Ø130
Medline 660	700 mm	350 mm	150 mm	Ø130

E N G L I S H

LOCATION OF ACCESSORIES

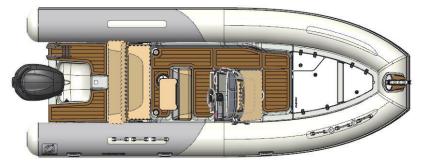
VIII-5 ROLL BAR

In order to guarantee the surface condition of the stainless steel and avoid corrosion, use products adapted to the treatment of stainless steel or clean and dry at the start and end of each season using freshwater. Apply products in accordance with your product manufacturer's instructions. The roll bar must not be used for towing, wake-boarding mast or as a lifting support. It is strictly forbidden to tow watercraft or boats. Use the aft chain plates for towing or pulling buoys. The maximum permissible load is 40 kg.



VIII-6- TEAK DECK

To position the teak decking, follow the shape of the anti-slip material.



In order to optimise the service life of your product, use products suitable for treating PVC or clean it every season with soapy water. Apply in accordance with the recommendations of your product's supplier.

VII-7 - TEAK TABLE AND BOLSTER SHELF (580, 660).



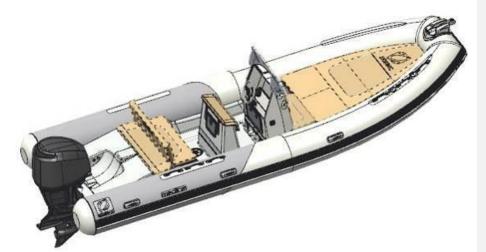


Page 56 / 59

LOCATION OF OPTIONAL ACCESSORIES

The table is supplied in solid teak. In order to optimise the service life of your product, use products suitable for treating hard woods to prevent them from becoming rapidly damaged (oil, varnish etc.).

VIII-8- FORWARD SUN LOUNGER



REMINDER: Do not use the sun lounger while underway.



Several options are available, please contact your dealer.



WARNING

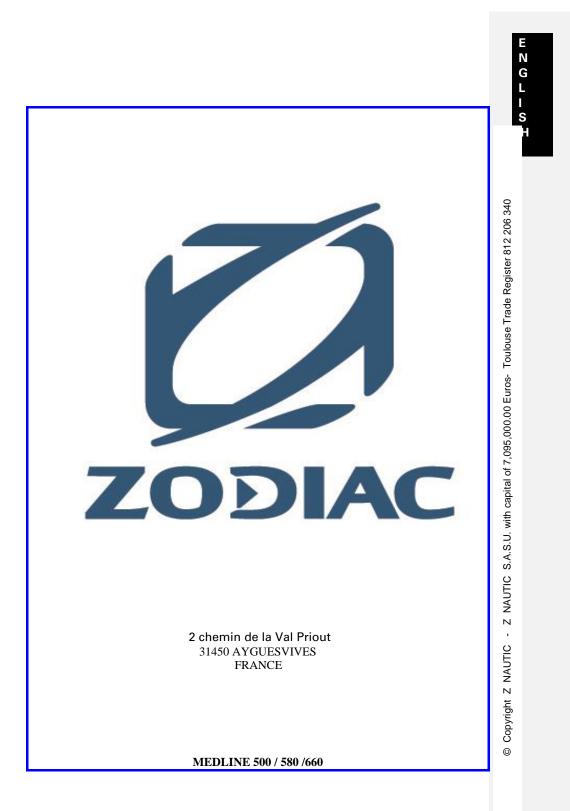
Your attention is drawn to the finishing process in which structural components such as steering consoles, seats and superstructure elements are installed by parties other than the manufacturer. These elements should be installed in compliance with the relevant requirements of ISO 6185-3 to ensure that 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.

Page 57 / 59



Page 58 / 59



Page 59 / 59