SIDE-POWER
Thruster Systems

SE 40/125 S IP
Ignition Protected thruster assembly

Keep this manual onboard !

Installation and user manual

Single
Sealed Drive LIFETIME LUBRICATED
Q-prop™
Ignition PROTECTED
Intelligent POWER CONTROL

YACHTAID MARINE

2175 NW 34th Ave Miami, FL 33142 USA
Phone: 786-621-3010 • Fax: 786-621-3046
Website: https://yachtaidmarine.com/product-category/marine-bow-thrusters/
Email: info@yachtaidmarine.com

Contents

Technical specifications 2
Planning & important precautions 3
Stern thruster installation considerations 3
Bolt on installation 4
Mould on installation 5
Gearhouse and motorbracket 6
Oil tank & propellers 7
Electromotor IP assembly 8
Electrical installation 9
Control panel and control-leads 10
Visual wiring diagram 11
Technical wiring diagram 12
Electrical installation of stern thruster systems 12
Checklist 13
Important user precautions 14
How to use Sidepower thrusters 15
Maintenance 16
Troubleshooting 17
Warranty statement 18
Parts list 19
Service centres 20

DECLARATION OF CONFORMITY

CE

We, Sleipner Motor AS
P.O. Box 519
N-1612 Fredrikstad, Norway

declare that this product with accompanying standard remote control systems complies with the essential health and safety requirements according to the Directive 89/336/EEC of 23 May 1989 amended by 92/31/EEC and 93/68/EEC.

Technical specifications

Motor: Custom made reversible DC-motor.

Gearhouse: Seawater resistant bronze. Ballbearing at propellershaft; combination of ballbearing and slide bearing at driveshaft.

Motor bracket: Seawaterresistant aluminium.

Ignition protection: Conforms to ISO 8846

Propeller: 5-blade Skew-back design "Q-prop" propeller, reinforced composite.

Batteries: Minimum recommended battery capacity (cold crank capacity by DIN standard)
SE40/125S-12V : 300 CCA DIN/570 CCA SAE

Max. use: *S2 = 3 min. or appr. 7-10% within a limited time frame. All electromotors are protected against overheating.*

Safety: Electronic time-lapse device protects against sudden change of drive direction. Electric thermal cut-off switch in electromotor protects against over heating (auto reset when electro motor cools down).

Shearpin between electro-motor and driveshaft protects electromotor and gearsystem if propeller gets jammed.

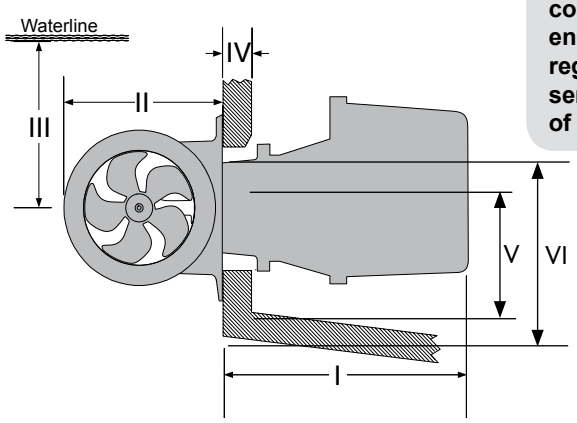
If original Side-Power panel is used, the panel shuts off automatically 6 minutes after last use.

Integrated microprocessor monitors solenoids, reducing wear and risk of solenoid lock-in. Auto-stop of thruster in case of accidental solenoid lock-in or if run signal is continuous for more than 3 minutes.

SE 40/125 S IP

Thrust at 10.5V/21V* (kg • lbs)	40 • 88
Thrust at 12V/24V* (kg • lbs)	48 • 105
Typical boat size (ft • m)	26' - 34' • 8 - 10.5
Tunnel I.D. (mm • in)	125 • 4.92''
Propulsion system	Single
Power at 10.5V/21V* (kw • Hp)	2.2 • 3
For DC system (V)	12
Weight (kg • lbs)	10 • 22
Rec. CCA (DIN** 12/24V)	300

Item Code 12V	**SE40/125S(-IP)**
Item Code 24V	
Item Code 12V PRO*	**SEP40/125S(-IP)**
Item Code 24V PRO*	



Responsible installer must consider and facilitating enough space and access regarding installation, service and maintenance of the thruster.

Stern thruster	I	II	III_{min}	IV_{max}	V	VI	Tunnel Length	(mm • in)
SE40/125S IP	226 • 8.9	190 • 7.48	135 • 5.31	14 • 0.55	160 • 6.3	217 • 8.5	197 • 7.76	

https://yachtaidmarine.com/product-category/marine-bow-thrusters/

Planning and important precautions

Prior to installation, it is important that the installer reads this guide to ensure necessary acquaintance with this product.

- The electromotor assembly must be handled carefully. Do not put it down on the driveshaft.
- Beware to keep installation within advised measurements.
- We advice to paint the gear leg and propellers with antifouling. PS! Do not paint the zinc anodes, sealings or propellershafts.
- Do not finish the inside of the tunnel with a layer of gelcoat / topcoat or similiar. It is only room for a thin layer of primer and two layers of anti-fouling between the tunnel and the props.
- With the boat on land, only run the thruster for a fraction of a second, as without resistance it will accelerate very fast to a damaging rpm. Also, while the thruster is in air, make sure to avoid direction changes while the thruster is still running, as it might cause damage to the thruster.
- This manual is intended to support educated / experienced staff and is therefore not sufficient in all details for the correct installation.
- The thruster IP assembly has been tested to be fully ignition protected so that it can be installed in an area with the possibility of explosive gases in accordance to ISO 8846.
- Do not install the thruster in a position where you need to cut a stiffener/stringer/support for the hull integrity without checking with the boatbuilder that this can be safely done.
- When installed in boats approved or classified according to international or special national rules, the installer is responsible for following the demands in accordance with these regulations / classification rules. The instructions in this guide can not be guaranteed to comply with all different regulations / classification rules.

NB ! Faulty installation of the tunnel, thruster or panel will render all warranty given by Sleipner Motor AS void.

Stern thruster installation considerations

To achieve maximum effect, reliability and durability from your Sidepower stern thruster, a correct installation is very important.

Please follow the instructions carefully, and make sure that all checkpoints are carefully controlled.

Additional considerations for positioning of the stern thruster

- Make sure that the stern-tunnel does not disturb the waterflow under the hull
- Ensure that when installed the thruster does not foul existing equipment inside the boat like steerage links etc.
- Make sure that the water flow from the thruster are not interfered too much by sterndrives, trimtabs etc. as this will reduce the thrust considerably.
- It is possible to mount the tunnel off the boat's centre line if necessary.
- If the stern thickness is to much for the thruster in question you can easily remove hull material in the necessary area to fit the thruster. You only have to reduce the stern thickness down to the max. thickness measurement in the drawing.

https://yachtaidmarine.com/product-category/marine-bow-thrusters/

Fig. 1

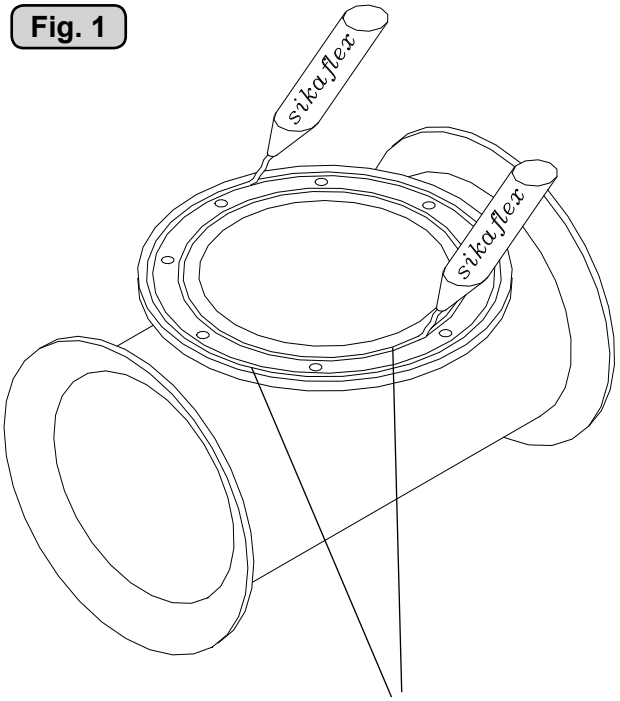
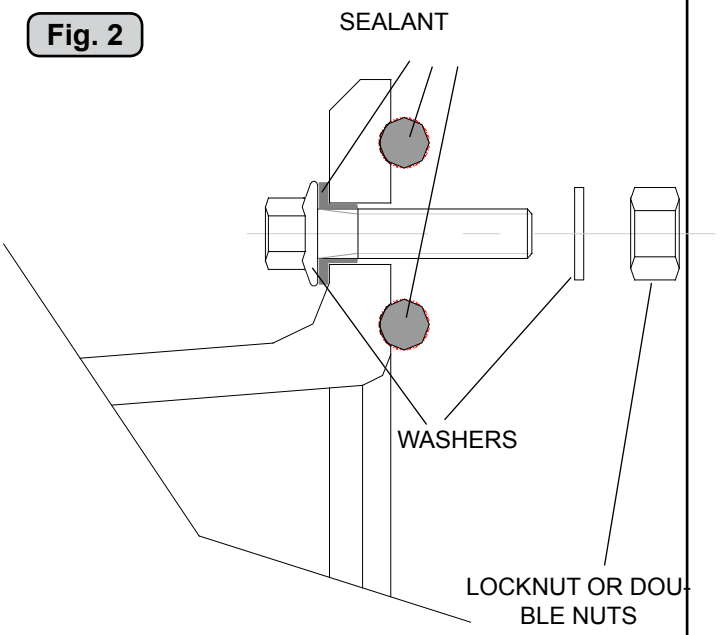


Fig. 2



Bolt on installation of the stern tunnel

1. Make sure that there are enough space both inside and outside the transom of the boat.

2. Once the place for the installation has been decided, hold the tunnel in place in the horizontal position and mark the bolt holes. Remove the tunnel and it is then possible to calculate and mark the centre.

3. It is important that the tunnel flange sits flush on the transom. If this is not so, then the area on the transom will have to be flattened to ensure a snug fit.
   PS ! Take care with grinders as it is very easy to remove to much in fibreglass
   At this time, cut out the centre hole and the transom to the same internal diameter as the tunnel flange and drill the bolt holes. Before bolting on the stern tunnel, the prepared area must be sealed with a gelcoat or similar to ensure there is no water ingress into the hull.

4. Before fitting the tunnel to the transom, fit the lower gear leg to the tunnel as described on page 6.

5. When fitting the tunnel, ensure that there is ample sealant (Sikaflex or similar) in the sealing tracks of the tunnel flange and around the bolts to make a water tight fitting (Fig. 1/2). Bolts, washers and nuts are not included as they will wary depending on the transom thickness We recommend A4 stainless with A4 lock nuts and A4 washers of a large diameter on both outside and inside.
   Bolts diameter: ø 10mm or 3/8” stainless steel

6. Refer to the installation manual for the recommended thruster fitting.

If a bow thruster is also installed, we strongly advice to use separate battery banks for the two thrusters to avoid extreme voltage drop if both thrusters are to be used at the same time. Refer to the thruster manuals for advised battery capacity and cable sizes for each thruster.
Also ensure that you do not have direct connections of both + and - if you have built together controls for both thrusters to avoid current leakage between separate battery banks.
If you are installing the standard Side-Power dual joystick panel this is already secured.

https://yachtaidmarine.com/product-category/marine-bow-thrusters/

Fig. 1

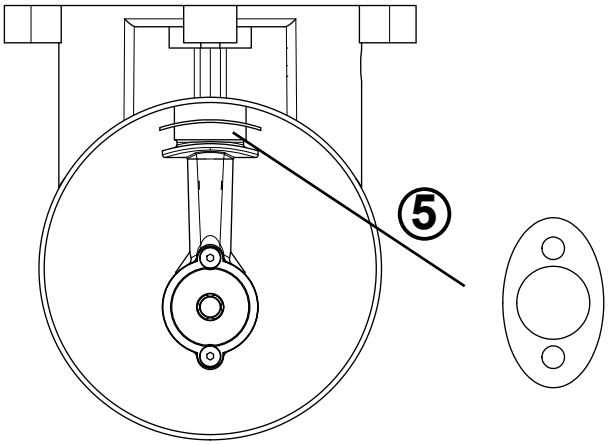
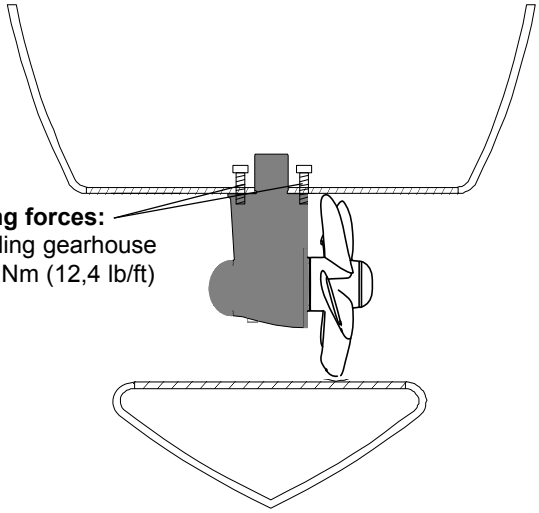


Fig. 2

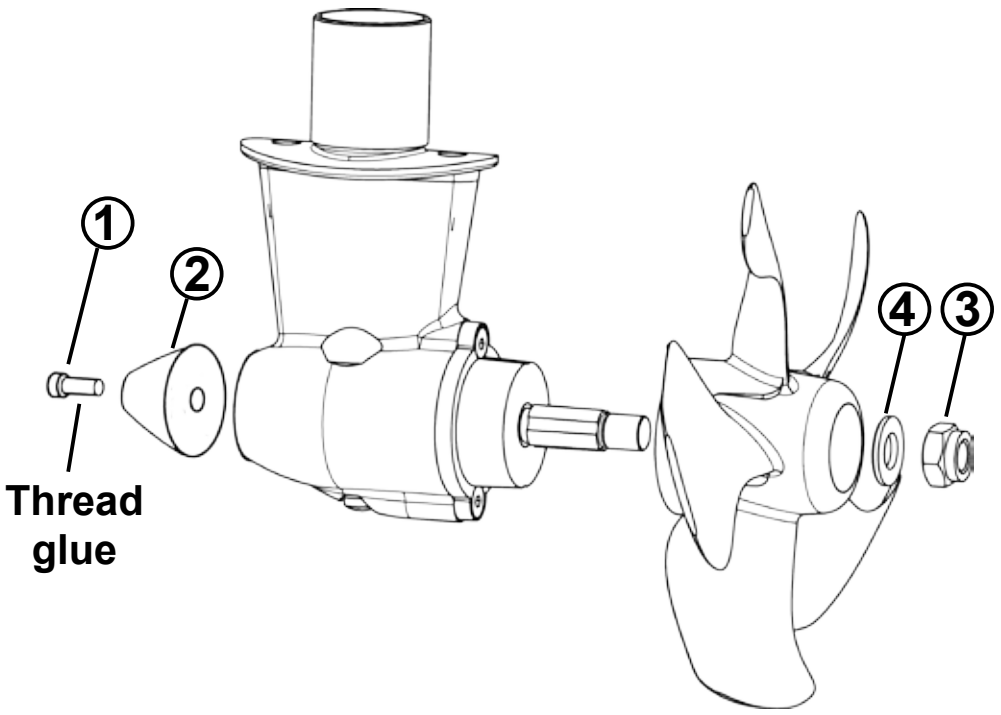


Fitting gearhouse and motor bracket

1. Try the lower-unit in the tunnel (remove the anode) first by using the gasket inside the tunnel. Try on the propeller to make sure it is centred in the tunnel and turn freely with the same clearance from each blade to the tunnel (Fig. 1).
2. Apply a thin layer of sealant on both sides of the gasket (5) and place it carefully on the gearhouse, making sure no sealant gets into the bolt holes on the gearhouse (Fig 1).
3. Push the gearhouse through the main hole in the tunnel and push the gearhouse and motor-bracket gently together.
4. Screw the lower unit and the motor bracket together with the two provided bolts. Tighten with 17 Nm / 12,4 lb/ft (Fig. 2).

https://yachtaidmarine.com/product-category/marine-bow-thrusters/

Fig. 1



Fitting propellers

1. Push the propeller on to the shaft and turn until the internal spline in the propeller hub aligns with the external spline on the propeller shaft.
2. Push the propeller onto the shaft with the track for the drivepin in an horizontal position (same direction as you set the drivepin), all the way in. There should be almost no gap between the propeller hub and the gearhouse.
3. Place the washer (4) on the propeller shaft and then tighten the lock-nut (3) on the propeller shaft.
4. Place the anode (2) in its designated position and tighten the anode holding screw (1). Apply a thread glue (Loctite or similar) to ensure that the anode holding screw does not un-screw itself from the propellers rotation.

Parts description:

1 : Screw for anode

2 : Anode

3 : Propeller lock nut

4 : Washer

https://yachtaidmarine.com/product-category/marine-bow-thrusters/

Fig. 1

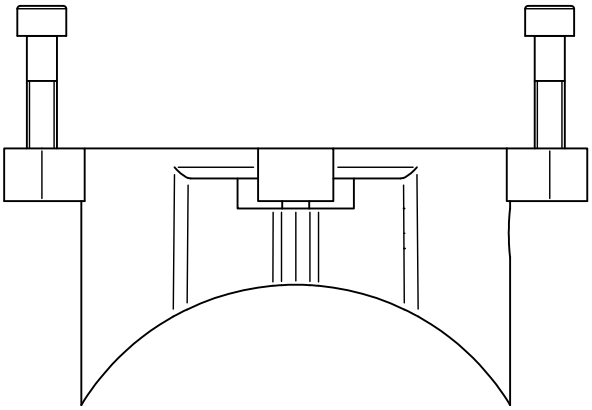
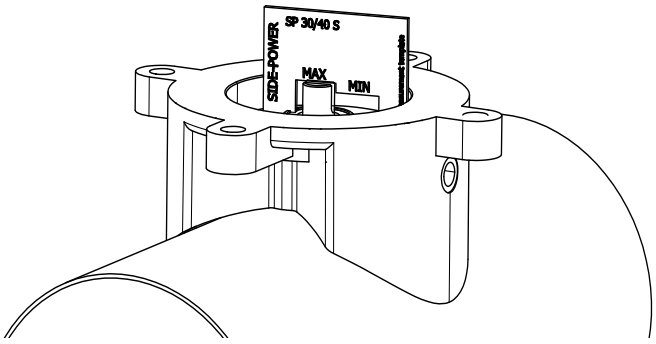


Fig. 2



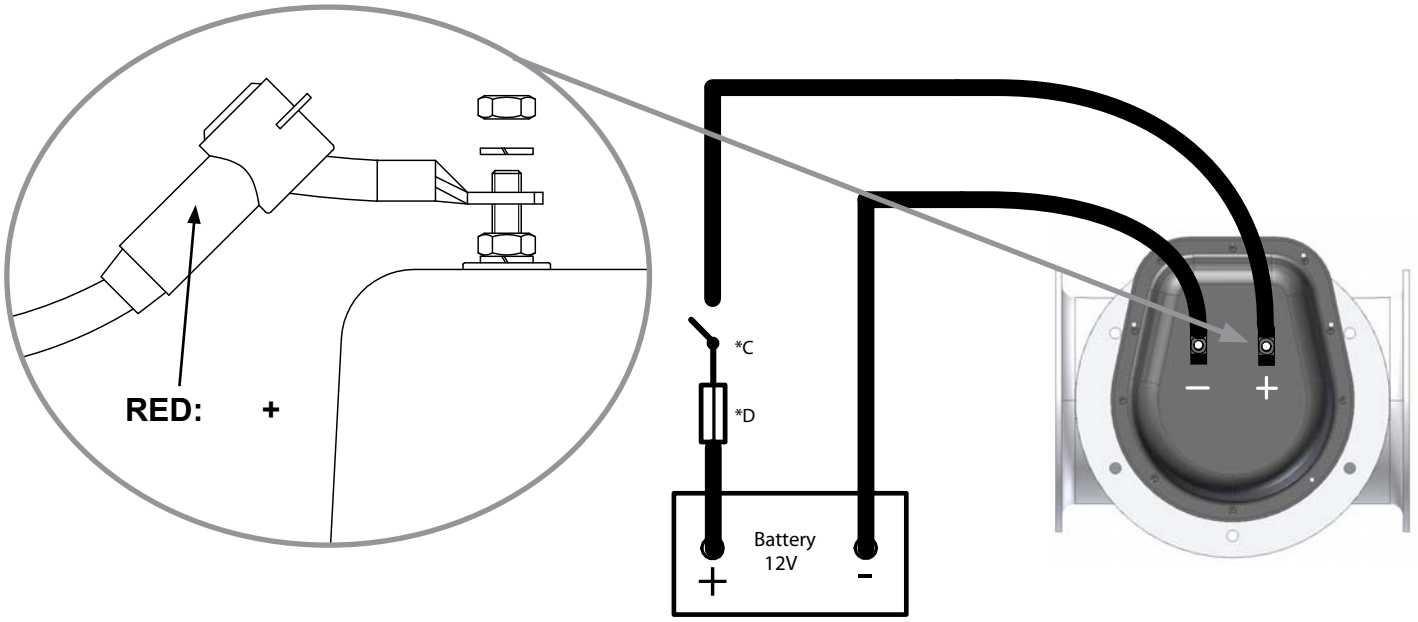
Fitting the electromotor IP assembly

1. Remove the 2 bolts in the motorbracket (Fig 1).
2. Use the enclosed template to measure that the driveshaft has come through the motorbracket with the correct height (Fig 2).
3. Place the motor assembly gently on the motorbracket. Make sure that the drive pin in motor drive shaft fits the into the corresponding grove in the gearleg shaft. Be careful, the motor is heavy!
4. Fasten the motor assembly to the bracket with the 2 bolts and cross tighten them first with 15Nm (11lb/ft) and then with 33Nm (24lb/ft).

NB ! Paint the gear leg and propeller with antifouling for propellers to prevent growth of barnacles or similar which would reduce the performance dramatically. Do not paint the propeller shaft, the anodes or the end face of the gearhouse.

***NB !* Do not run the thruster for more than very short bursts without being in the water.**

https://yachtaidmarine.com/product-category/marine-bow-thrusters/



Battery & cable recommendations:

Model	Voltage	Nominal current draw	Min. battery CCA		>7m total + & -		7-14m total + & -		15-21m total + & -		22-28m total + & -		28-35m total + & -		36-45m total + & -	
					Min.	Rec.	Min.	Rec.	Min.	Rec.	Min.	Rec.	Min.	Rec.	Min.	Rec.
SE30/125S	12 V	200 A	DIN: 200 SAE:380	mm² AWG	25 1	35 1	35 1	50 1/0	50 3/0	70 3/0	70 2/0	120 4/0	95 3/0	2x70 2x 2/0	120 4/0	2x95 2x 3/0

Minimum and recommended cable dimensions can be identical due to safety margins and cable heat considerations for short cable lenghts.

* Minimum or recommended cable cross section in mm²

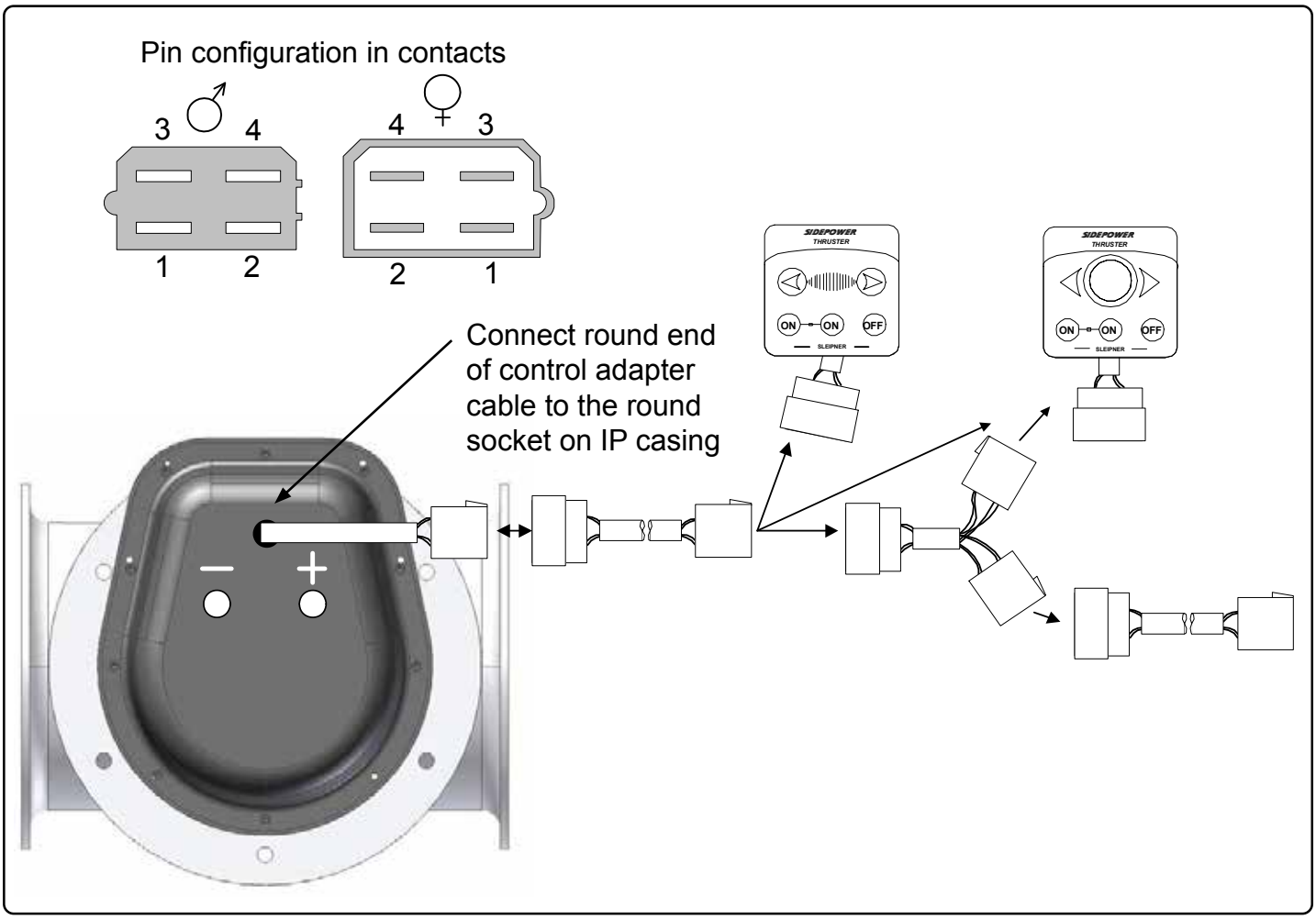
Electrical installation

- Explanation of electrical table
  - All cable lengths are the total of + and - (to and from).
  - Battery size is stated as minimum cold crank capacity, not Ah.
  - Use slow fuse rated to hold stated Amp-Draw for min. 5 minutes.
  * Cable size and main battery size when an extra bow battery with minimum the CCA mentioned as A is installed.
- It is important that you use a good cable size and batteries with a high cranking capacity to feed the thruster, because it is the actual voltage at the motor while running the thruster that decides the output RPM of the motor and thereby the actual thrust. Please see the list below for advised min. sizes of cables and batteries. You can of course use larger cables for even better results.
- A main switch (*C) that can take the load without noticeable voltage drop must be installed in the main positive lead so the power for the thruster can be turned off independently of the rest of the system when not on board or in emergencies. This should be placed in an easily accessible place and the boats instructions should include information that this should be turned off like the other main switches of the boat.
- We also advice to install a fuse (*D) in the positive lead for protection against short-circuiting of the main cables. This fuse should be of a adequate quality which normally means that it is physically large as these have less voltage drop than the simple / small ones. It should be of the slow type and sized to take the amperage draw for at least 5 minutes.
- Remember to use ignition protected fuses and switches if fitted in areas that require this feature.
- A circuit breaker can be used instead of the fuse and main power switch as long as the functionality is the same.
- The cable ends must be fitted with terminals and these must be well isolated against contact with anything but the proper connection point.
- If the main switch and fuse are installed in the same gas area they also have to be ignition protected.
- The negative / minus cable connects to the (-) terminal. Bolt M10. Tighten with 20 Nm / 14.75 lb/ft.
- The positive / plus cable connects to the "+" terminal. Bolt M10. Tighten with 20 Nm / 14.75 lb/ft.
  Place the included red protection cap firmly on the terminal bolt, as shown in illustration above.

NB! Very important to check the following with mainswitch in off position:

After all electrical connections have been completed, check with an ohm meter that there is no electrical connection between electro motor flange and positive terminal on the motor and between the electro motor flange and the negative (battery -) terminal on the motor. If you feel unsure on how to perform this check, contact skilled personnel for guidance.

https://yachtaidmarine.com/product-category/marine-bow-thrusters/



Control panel and control-leads

- You can install as many panels as you wish by using optional Y-connectors. If two or more panels are operated at the same time in opposite directions, the electronic controlbox will stop the thruster until it only receives a signal to go in one direction.
- When using original Side-Power equipment it is all "plug & go".
- If the drive direction of the thruster is the opposite of what expected, the blue and grey wire must be changed on each panel.
- The mechanical installation of the panel is described in the manual following the panel.
- The IP thruster is gas proof based on the control panel lead ending outside of the area that requires ignition protection. The control adapter lead must be fitted in the boat so there is no risk of damage to the insulation, causing explosive gas penetration.
- The thruster control should be placed in a position were it is easy to use, and it is very common to use the thruster at the same time as your gear / throttle lever so it is normally a user friendly solution to be able to access these with one hand for each control.

Pin configuration of 4 pole AMP contact:

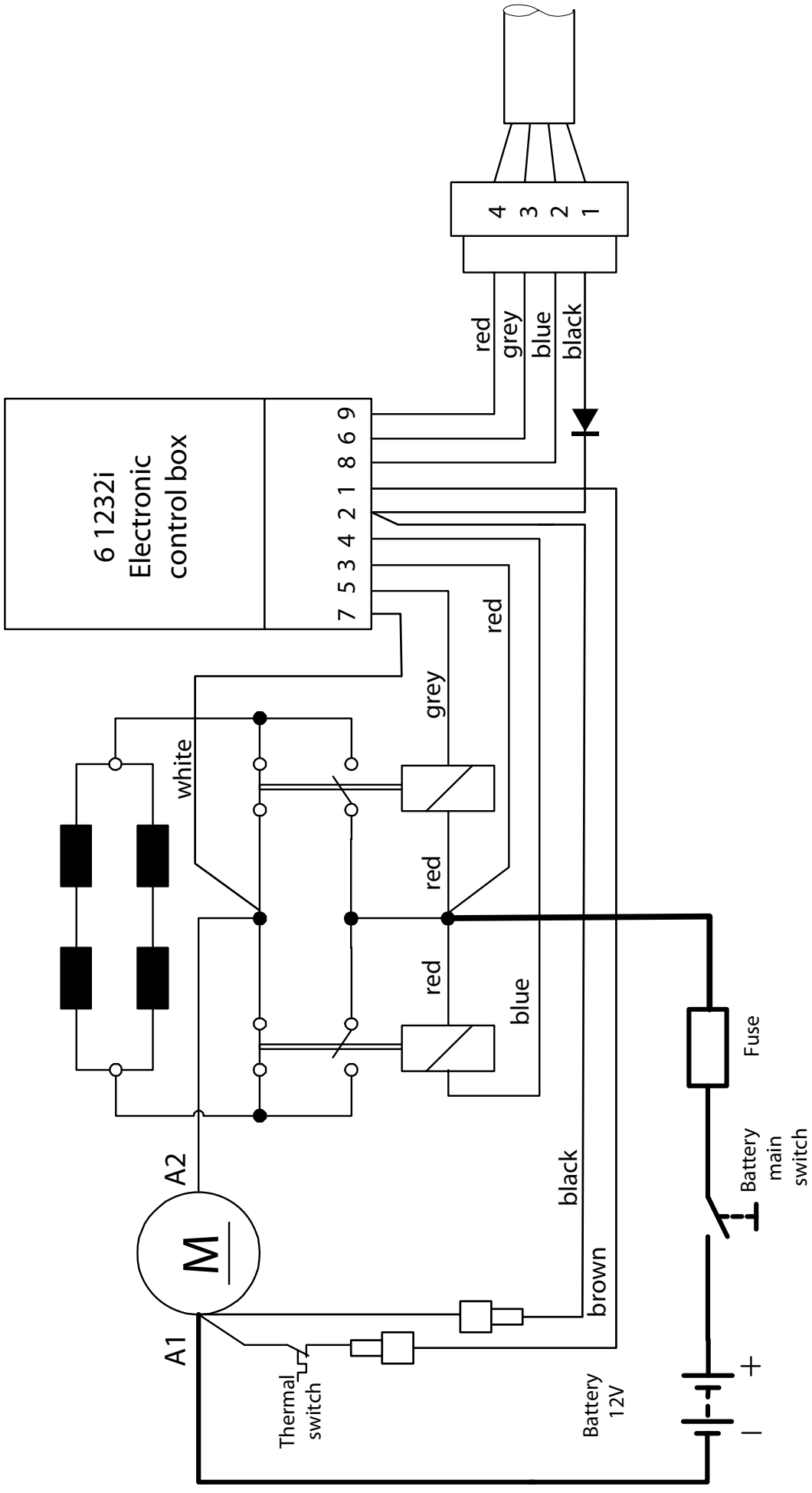
Pin1: BLACK = Ground

Pin2: BLUE = Engages thruster SB solenoid

Pin3: GREY = Engages thruster Port solenoid

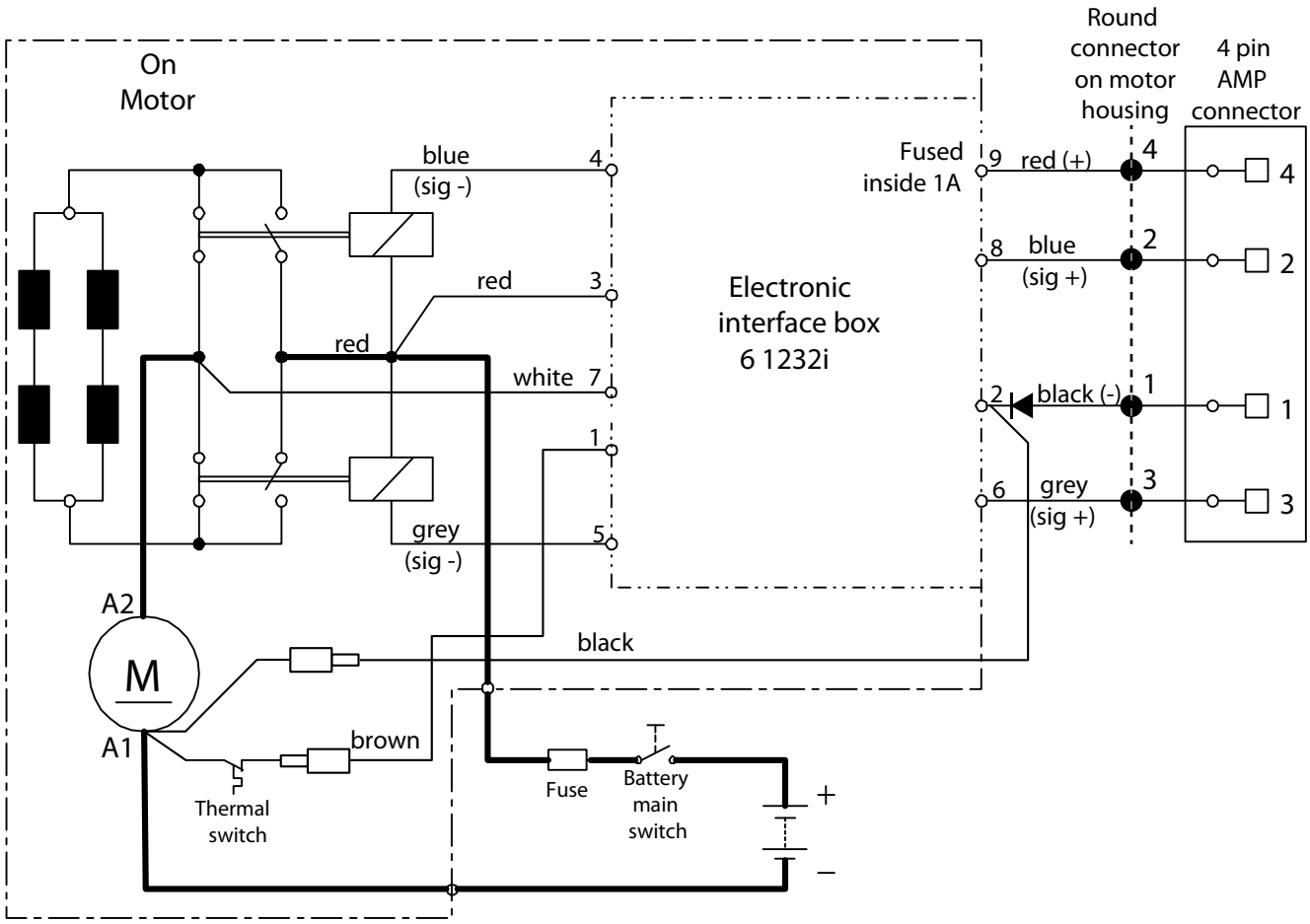
Pin4: RED = Positive voltage for control panel

https://yachtaidmarine.com/product-category/marine-bow-thrusters/



https://yachtaidmarine.com/product-category/marine-bow-thrusters/

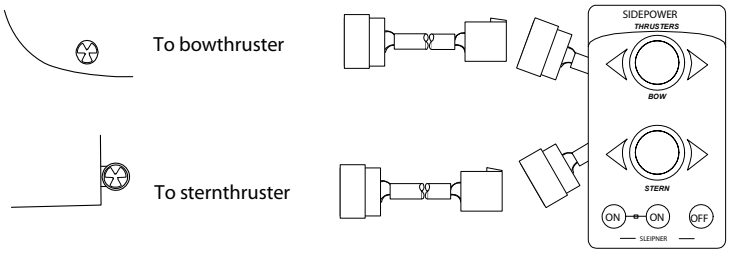
Technical wiring diagram



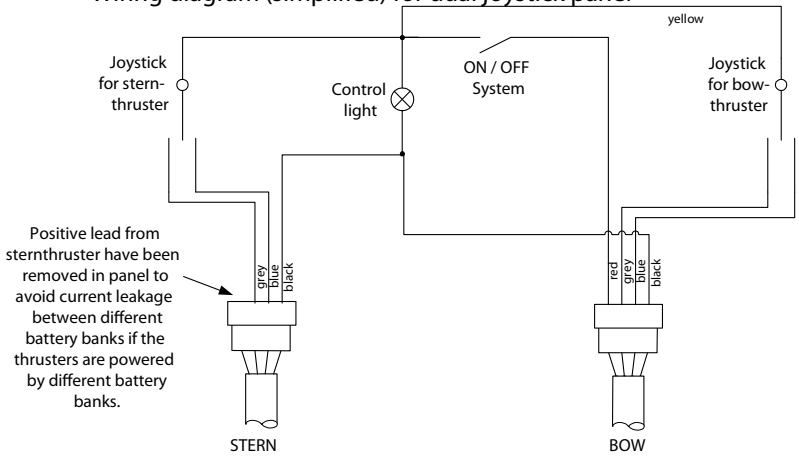
Electrical installation of stern thruster systems

- We advice to use different battery banks for each thruster to ensure maximum performance when both are used at the same time.
- When using the original Sidepower control cables just connect them to the corresponding joystick
- There are no plus/positive power connected from the bowthruster

Visual connection diagram for dual joystick panel



Wiring diagram (simplified) for dual joystick panel



https://yachtaidmarine.com/product-category/marine-bow-thrusters/

Checklist

- ☐ Propeller is fastened correctly to the shaft.
- ☐ Propeller turns freely in tunnel.
- ☐ The anode holding screw is tightened well with thread glue.
- ☐ All electrical wiring, cable sizes and battery capacity is according to the thruster installation manual.
- ☐ All bolts are securely tightened and sealant are applied as instructed.
- ☐ Anti-fouling have been applied to the gearhouse and propeller but NOT on the anode or the gearhouse lid where the propeller is fastened.
- ☐ Correct drive direction as per controlpanel.
- ☐ All electrical connections are clean, dry and tight, and the correct cable, fuse and main switch sizes have been used.
- ☐ The bolts holding the gearhouse and motorbracket together are tightened correctly.

Very important for IP protection:

- ☐ The main power cables have securely been connected as described.
- ☐ The control lead ends out of the explosive area and has been properly fitted and secured against damage.

The thruster has been installed as per the instructions in this manual and all points in checklist above have been controlled.

Signed: ..... Date: .....

Extra pre-delivery tests by installer / yard who does not use other quality control systems !

Thruster type: ..... Voltage: .....

Serial number: .....

Date of delivery: .....

Correct drive direction as per control panel: .....

Voltage at thruster when running: .....

Battery cable size used: .....

Other comments by installer:

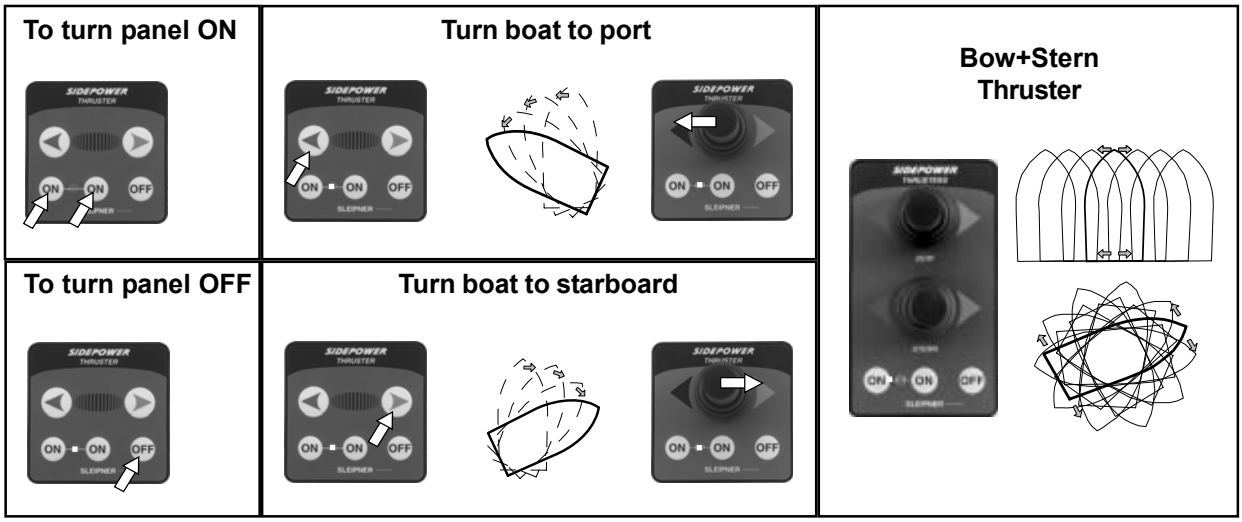
https://yachtaidmarine.com/product-category/marine-bow-thrusters/

- Ensure that you know the location of the main battery switch that disconnects the thruster from all power sources (batteries) so that the thruster can be turned off in case of a malfunction.
- Always turn the main power switch off before touching any part of the thruster, as an incidental start while touching moving parts can cause serious injuries.
- Always turn the control device off when the thruster is not in use.
- The maximum continues usage time of the electrical thruster is approximately 3 minutes. The electromotor has a built in thermal cut-off switch that will shut off the electromotor if it is overheating and re-engage it when it has cooled down some. This should be considered when planning your maneuvering.
- This also means that the thruster will limit its total running time per time period so that you can not count on the thruster to hold you in a current and side wind for extensive time periods. Depending on the surrounding temperatures etc. the thruster will be able to run approximately 10 % of the time.
- Never use a thruster close to somebody in the water, as the thruster will draw objects close by into the tunnel and contact with the rotating propellers will cause serious injuries.
- With the boat on land, only run the thruster for a fraction of a second, as without resistance it will accelerate very fast to a damaging rpm. Also, while the thruster is in air, make sure that the propellers have come to a complete stop before performing a directions change of the thruster, as it might cause damage to the thruster.
- If the thruster stops giving thrust while the electromotor is running, chances are that there is a problem in the drive-system. You must then immediately stop trying to run it, and turn it off, as running the electromotor for more than a few seconds without resistance from the propeller, can cause serious damage to the electromotor.
- When leaving the boat always turn off the main power switch for the thruster.
- We advice to always keep the main engine(s) running while using a thruster. This will keep the batteries in a good charge condition. This will also give better performance to the thruster, as a higher voltage at the thruster results in a higher torque (power) in the electromotor.
- Please note that the performance of a thruster strongly depends on the voltage available at the electromotor. This voltage will decrease by time because aging batteries have a reduction of capacity. By installing new batteries the effect of the thruster should be back at the original level.
- Make sure that only one control is used at the same time, if two panels are operated in opposite directions at the same time the thruster will not run at all. If they are operated in the same direction the thruster will run in this direction.
- If the thruster is not performing or functioning as usual, the cause for this must be found and corrected as soon as possible so to avoid causing any other or further damage to the equipment. You must also turn off the main battery switch immediately in case the problem is of electric origin.
- Never store anything (e.g. equipment, sails, ropes etc.) in the same compartment as the thruster. When the thruster runs for a longer period it will get hot and will cause damage.
- It is the owner/captain/other responsible party full responsibility to assess the risk of any unexpected incidents on the vessel. If the thruster stops giving thrust for some reason while maneuvering you must have considered a plan on how to avoid damage to persons or other objects.

Warning:

- **Tampering with the Ignition Protected stern thruster assembly or any attempt to disassemble anything on this thruster assembly inside the boat can cause an explosion with very serious consequences.**
- **If there is a problem with your Ignition Protected stern thruster, please contact your dealer.**
- **Danger: NEVER Disassemble any part of the Ignition Protected stern thruster assembly**

https://yachtaidmarine.com/product-category/marine-bow-thrusters/



How to use Sidepower thrusters

How to use a bow thruster

1. Turn main power switch for the bow thruster on. (Always turn off the main power switch when not on board.)
2. Please take some time to exercise thruster usage in open water to avoid damages to your boat.
3. Turn the control panel on by pushing both "ON" buttons on the original Side-Power panel simultaneously. If another type of control is installed, engage the On/Off switch for the bow thruster.
4. Turn the bow in the desired direction by pushing the red button for port movement or the green button for starboard movement. If you have a joystick control, move it in the direction you wish the bow to move. Other controls like foot switches or toggle-switches on the throttle can be used. These are normally logically installed, so by engaging the port control, the bow goes port etc. In case of any doubts, try in open waters first.
5. Depending on the sideways speed of the bow, you must disengage the control device shortly before the bow is in the desired direction, as the boat will continue to move after stopping the bow thruster.

How to use a single stern thruster

Some boats might however have installed a single stern thruster because of space limitation in the bow. In this case the stern thruster is used in the same way as a single bow thruster (see above) for moving the boat's stern.

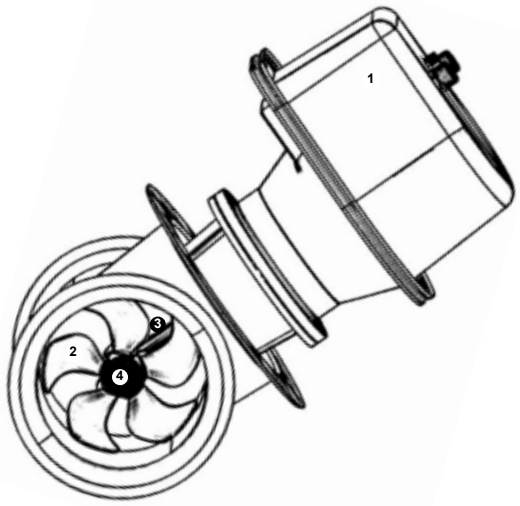
How to use a bow and stern thruster combined

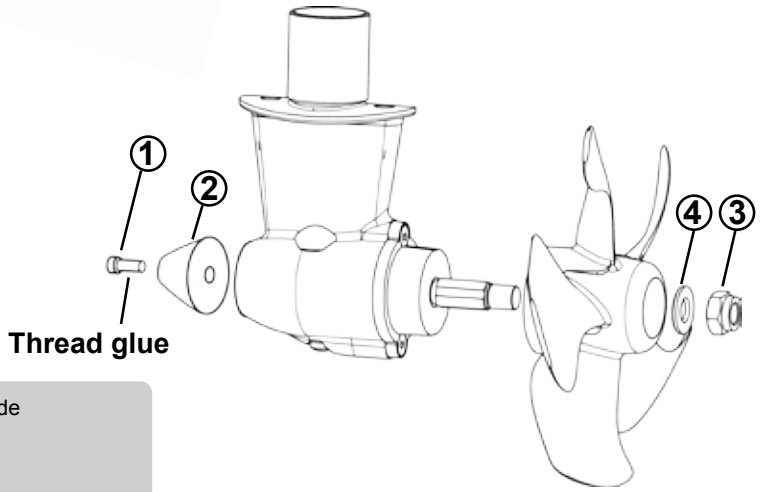
The combination of a bow and stern thruster offers total manoeuvrability to the boat and the opportunity to move the bow and the stern separately from each other. This enables you to move the boat sideways in both directions and to turn the boat around it's own axis staying at the same place.

- Again, if in doubt, try in open water first!

https://yachtaidmarine.com/product-category/marine-bow-thrusters/

❶ Electromotor assembly
❷ Composite 5-blade propeller for ultimate performance.
❸ Pre-filled lifetime lubricated gearhouse.
❹ Changeable anode protects gearhouse from corrosion in seawater.





❶ Fastening screw for anode
❷ Anode
❸ Propeller lock nut
❹ Washer
❺ Drivepin for propeller

Maintenance

» Keep the propeller and gearhouse clean from growth by painting with antifouling before every season.
PS ! The anode, sealing and propeller shafts must absolutely not be painted. Be careful that you don't fill paint in the "tracks" in the gearhouse that the propeller hub moves in.

» Change the anode before every season, or when about half the anode is gone. Always use a sealant on the screw holding the anode to ensure that it does not fall off. Please observe that in some water conditions it can be necessary to install an extra anode to ensure that it lasts for the whole period between regular service lifts of the boat. Consult your dealer for information on how to do this.

» As a part of the seasonal service of your boat, and before every season, always check that:

- The propeller is securely fastened
- The bolts holding the electric motor to the motor bracket are fastened correctly.
- The area where the thruster is installed is clean and dry. If there are signs of water you must try to find the source and eliminate it.
- All electrical connections are clean and fastened firmly.
- Make sure that your batteries are in a good condition so that the thruster gets a good voltage. Old or bad batteries will give a reduced performance from the thruster.

Warning:

- **Tampering with the Ignition Protected stern thruster assembly or any attempt to disassemble anything on this thruster assembly inside the boat can cause an explosion with very serious consequences.**
- **If there is a problem with your Ignition Protected stern thruster, please contact your dealer.**
- **Danger: NEVER Disassemble any part of the Ignition Protected stern thruster assembly**

https://yachtaidmarine.com/product-category/marine-bow-thrusters/

Troubleshooting

Before seeking assistance at the help desk of your Sidepower dealer / distributor please perform these tests and make notes of all measurements to ensure that they have as much information as possible to work on.
NB! All check points and solutions must be carried out after consulting the relevant information elsewhere in this manual to understand how the system is intended to work. If you are unable to understand what to check, you must consult a professional.

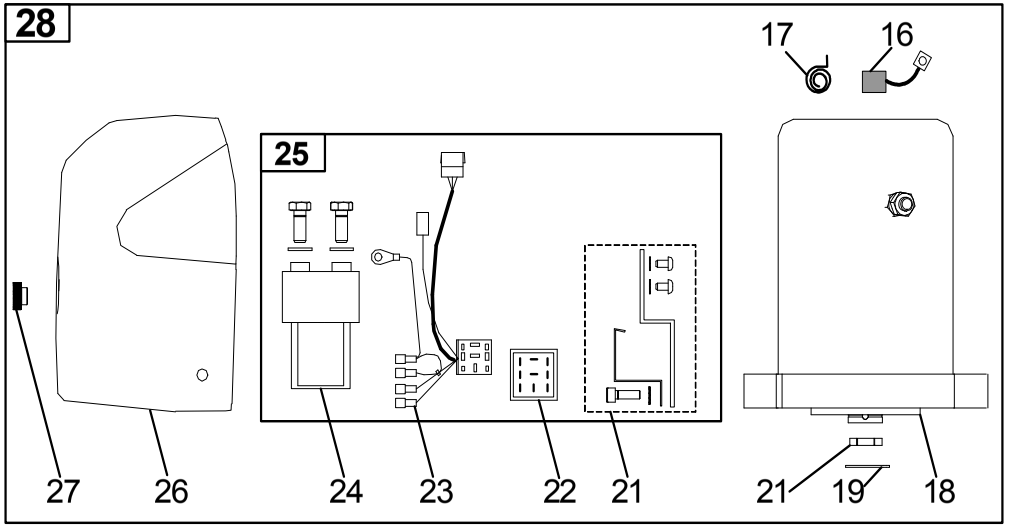
Check	*Solution*
» The electromotor runs, but there is no thrust.	
If the drive pin on the motor shaft is broken	Remove motor and replace the drive pin
Are the propellers in the tunnel fastened correctly on the prop-shaft (key present)	Re-fasten or replace the propeller and/or key.
With the motor removed, turn the driveshaft from inside the boat to feel if the gears are engaging and turning the prop-shaft.	In case of a failure inside the gearhouse, we advice to get a replacement gear-house instead of attempting to repair the internal gear and bearing system.
» The thruster does not start at all or works only in one direction.	
Check that the voltage of the electromotor are correct for your installation by their labels.	If wrong, contact your dealer or distributor to obtain parts with the correct voltage.
Check the voltage at the thruster between main minus input and main plus input point:	The no load voltage should be: 12V system =12,7V. If below 12,3V, your batteries are not in a good charge state or worn out and must be recharged or replaced before trying to run the thruster.
Check the voltage at the thruster while you are trying to run it. Keep main engine(s) running to have continous charge to the batteries.	If less than 8,5V at the thruster the voltage is to low for the thruster to operate correctly. Find and correct the reason for this low voltage which will probably be one or more of these points: main battery cable sizes and connections, battery size and condition, fuse and main power switch performance.
If the main solenoids on the thruster are not even trying to engage (clicking) they are probably not getting a "run" signal from the control system. Try to run the thruster without the panel by directly connecting the red and the blue or the red and the grey wires in the controlcable contact coming from the thruster.	If the thruster runs in both directions, try the same in the connector that goes into the back of the control panel. If it also works in this position, check the contact and wires on the back of the panel and try to engage this again by pushing both ON buttons simultaneously. If the panel does not turn on (see control light), measure the voltage between the Red and the Black in the contact going into the thruster. If the voltage is good, chances are that the panel is not working. If it works by the thruster, and not by the panel there is a bad contact or a broken lead in the controlcables between these two test points. Measure that you have the correct voltage between the Red (+) and all the other colours in the contact. If you do not get a reading.
» The thruster has an unexpected low performance.	
Check voltage at thruster when running	If less than 10,5 V, the thruster will not perform at specified effect.
Check that the propeller, gearhouse and tunnel is free from growth / barnacles etc.	If there are growth in the tunnel, this will disturb / block the waterflow and especially barnacles on the propeller will greatly reduce performance.
» The thruster runs for approximately 0,5 seconds every 4 seconds.	
Solenoid flapping, most probable cause: low voltage.	Re-charge battery(ies), if this is not sufficient, replace battery(ies). Check for bad cable connections, if necessary tighten/re-adjust connections. Check cable size in accordance to manual.
» The thruster runs for approximately 0,5 seconds every 10 seconds.	
Solenoid lock-in, auto stop of thruster, auto retry every 10 seconds.	Shut off thruster main switch, tap slightly on the motor to see if it will release. Turn on thruster main switch. If solenoid is still in lock-in mode, contact your dealer.

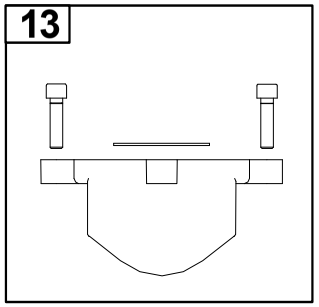
https://yachtaidmarine.com/product-category/marine-bow-thrusters/

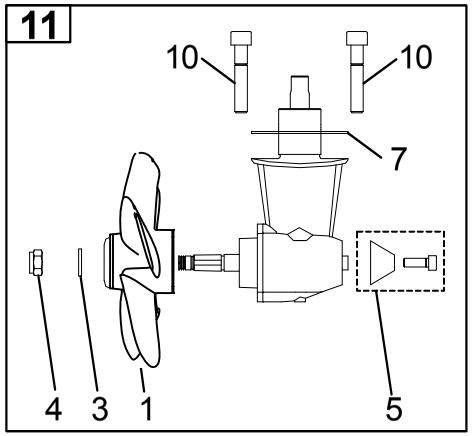
Warranty statement

1. The equipment manufactured by Sleipner Motor AS (The “Warrantor”) is warranted to be free from defects in workmanship and materials under normal use and service.
2. This Warranty is in effect for of two years (Leisure Use) or one year (Commercial use) from the date of purchase by the user. Proof of purchase must be included, to establish that it is inside the warranty period.
3. This Warranty is transferable and covers the product for the specified time period.
4. In case any part of the equipment proves to be defective, other than those parts excluded in paragraph 5 below, the owner should do the following:
   (a) Prepare a detailed written statement of the nature and circumstances of the defect, to the best of the Owner’s knowledge, including the date of purchase, the place of purchase, the name and address of the installer, and the Purchaser’s name, address and telephone number;
   (b) The Owner should return the defective part or unit along with the statement referenced in the preceding paragraph to the warrantor, Sleipner Motor AS or an authorized Service Centre, postage/shipping prepaid and at the expense of the Purchaser;
   (c) If upon the Warrantor’s or Authorized Service Centre’s examination, the defect is determined to result from defective material or workmanship, the equipment will be repaired or replaced at the Warrantor’s option without charge, and returned to the Purchaser at the Warrantor’s expense;
   (d) no refund of the purchase price will be granted to the Purchaser, unless the Warrantor is unable to remedy the defect after having a reasonable number of opportunities to do so. Prior to refund of the purchase price, Purchaser must submit a statement in writing from a professional boating equipment supplier that the installation instructions of the Installation and Operation Manual have been complied with and that the defect remains;
   (e) warranty service shall be performed only by the Warrantor, or an authorized Service Centre, and any attempt to remedy the defect by anyone else shall render this warranty void.
5. There shall be no warranty for defects or damages caused by faulty installation or hook-up, abuse or misuse of the equipment including exposure to excessive heat, salt or fresh water spray, or water immersion except for equipment specifically designed as waterproof.
6. No other express warranty is hereby given and there are no warranties which extend beyond those described in section 4 above. This Warranty is expressly in lieu of any other expressed or implied warranties, including any implied warranty of merchantability, fitness for the ordinary purposes for which such goods are used, or fitness for a particular purpose, and any other obligations on the part of the Warrantor or its employees and representatives.
7. There shall be no responsibility or liability whatsoever on the part of the Warrantor or its employees and representatives for injury to any person or persons, or damage to property, loss of income or profit, or any other consequential or resulting damage or cost which may be claimed to have been incurred through the use or sale of the equipment, including any possible failure or malfunction of the equipment, or part thereof.
8. The Warrantor assumes no liability for incidental or consequential damages of any kind including damages arising from collision with other vessels or objects.
9. This warranty gives you specific legal rights, and you may also have other rights which vary from country to country.

https://yachtaidmarine.com/product-category/marine-bow-thrusters/







Original model	SE 40/125 S
Model period	09/07 <
Ref:	Part # 12V
28. Complete electric motor assembly	3 0102 12
27. Nut for solenoid cover	6 8807
26. Solenoid cover	3 2026
25. Complete solenoid kit	3 0131 12
24. Solenoid	41472123
23. Internal wiring loom	6 1226B
22. Electronic control box	6 1232i
21. Solenoid bracket kit	3 0135
20. Shear pin for electric motor shaft	3 2050
19. Retaining ring	3 1143
18. Electric motor	N/A
17. Brush springs for electric motor (kit)	3 0170 12*
16. Brushes for electric motor (kit)	3 0180 12*
15. Oil container with holder	N/A
14. Oil hose with hose clamps	N/A
13. Complete motor bracket	3 0501
12. O-ring seals in motor bracket	N/A
11. Complete gearleg	3 0601
10. Gearleg bolt	3 1080
9. Drive shaft seal	N/A
8. Propeller shaft seal	N/A
7. Gasket	3 1310 10
6. Oil drain screw with gasket	N/A
5. Anode	3 1180
4. Locknut	3 1250
3. Propeller washer	3 1365
2. Propeller drive pin	N/A
1. Propeller	3 1261
Other comments:	

* Please provide thruster serial number when ordering brushes and brush springs.

https://yachtaidmarine.com/product-category/marine-bow-thrusters/

https://yachtaidmarine.com/product-category/marine-bow-thrusters/

Worldwide sales and service

YACHTAID MARINE

2175 NW 34th Ave Miami, FL 33142 USA
Phone: 786-621-3010 • Fax: 786-621-3046
Website: https://yachtaidmarine.com/product-category/marine-bow-thrusters/
Email: info@yachtaidmarine.com