



NMEA 2000
NMEA 0183

Hydrotab LS Series Installation

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Disclaimer

The interceptor units are also steering equipment and it is the sole responsibility of the navigator-operator to ensure that, at any point, any problem that will alter the boat's course, rising from malfunction of interceptors, should be dealt immediately by the operator. At no circumstances, fault of our interceptor equipment leading to any kind of accident, creates liability for the manufacturer.

Trademark Notice

Hydrotab is a registered trademark of Olympic Engineering Ltd, Greece. All other trademarks, trade names or company names referenced herein are used for identification only and are property of their respective owners.

Patent Notice

The Hydrotab products are protected by patents and industrial design patents, patents pending or design patents pending.

Declaration of conformity

This product conforms to the following Electromagnetic Compatibility (EMC) regulations and standards for use in marine environments.
CE EN 60945

Technical information and Documentation

The technical information provided in this document was accurate and correct at the corresponding production time of the Hydrotab interceptors. Our operating principal for improving the manufactured product, may lead to changes regarding its specifications without prior notice. Liability will not be accepted for any inaccuracy considering the product and the user manual.

Fair use statement

This manual can be printed or copied for your own use only. Copies should not be provided to third parties and manual should not be commercialized.

Product Disposal

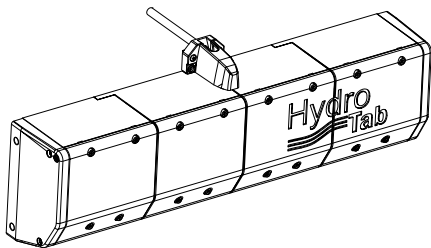
Waste removal of this product must be according to the Waste Electrical and Electronic Equipment (WEEE) Directive.

Product Registration

Please register your product online in order the warranty to be valid.

Installation Kit

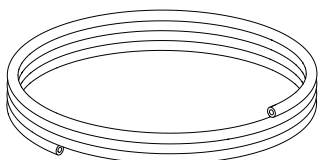
1. One Inteceptor per package



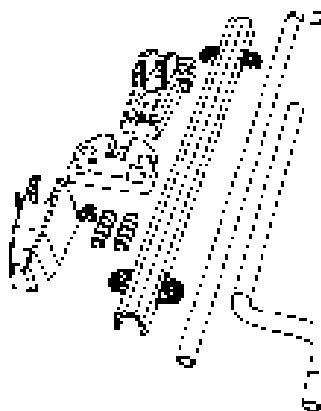
2. Interceptors' Drilling pattern



3. Pipe 12mm



4. Fittings



5. Screws

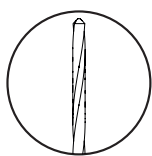


Interceptor mounting screws (6,3x50)

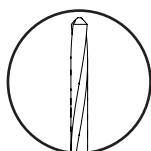


Fitting mounting screws (4,8x25)

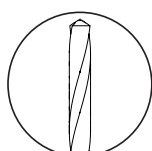
Required Tools for Installation



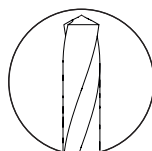
Drill Ø3



Drill Ø4



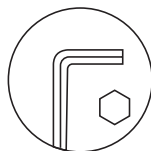
Drill Ø5,5



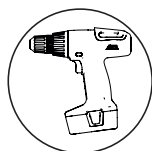
Drill Ø12



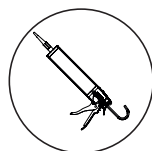
Screw driver



Allen Key N 05

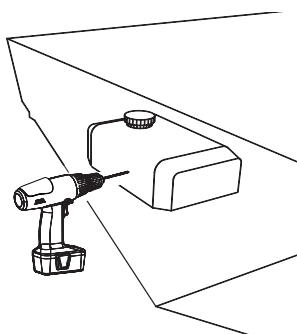


Drilling Tool

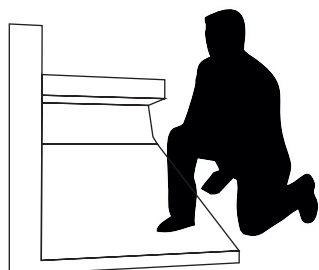


Sikaflex Gun

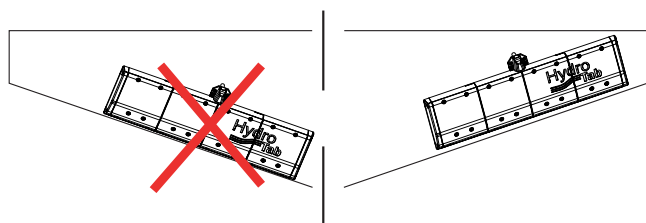
Before Installation



Make sure there are no obstructions behind the drilling area (tanks, fuel lines, cabling) which can be damaged or prevent the installation procedure.

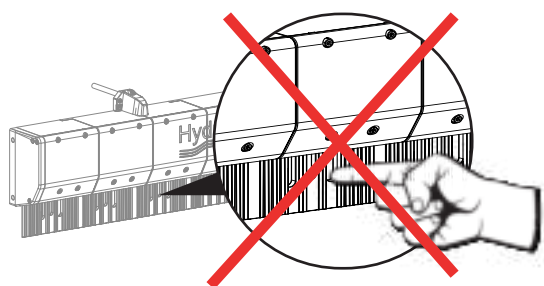


Attention! Make sure that the pipe insertion hole is accessible from the engine room.



A good hint is that the closer the units are to the water line, the best the bank control of the boat will be.

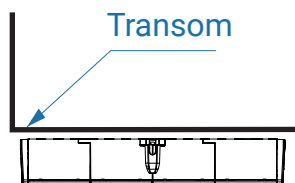
Safety Precautions



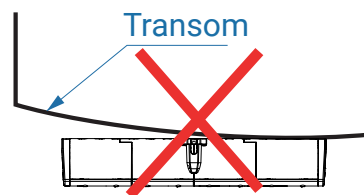
1. For high speed boats, over trim may cause unexpected turn. Improper use of the trim tabs, may result to accident or injury.
2. DO NOT PLACE YOUR FINGERS INSIDE THE BLADE HOLES

Proper Interceptor installation in transom

Right

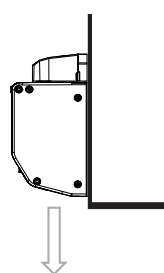


Wrong

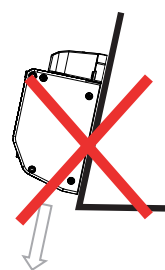


If the boat's transom has a significant curvature, it is necessary to create a flat plane for the installation. Acceptable flatness tolerances: 2mm.

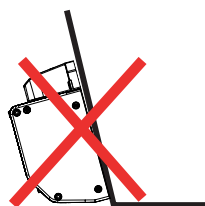
For aluminum hulls, it is suggested Isolation Plates between hull and interceptors to be installed. You can find installation instructions in the Isolation Plates Kit.



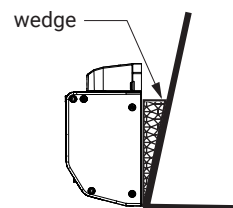
Optimal



Less Performance



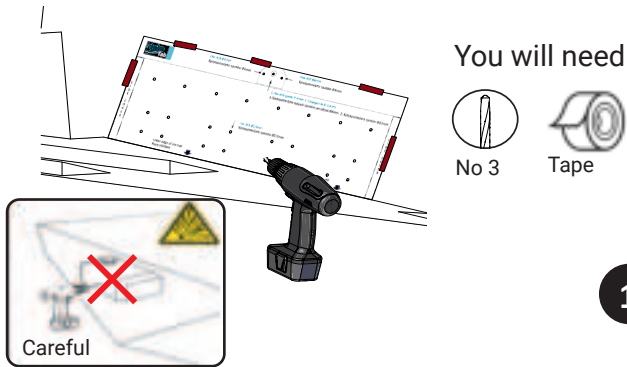
More Drag



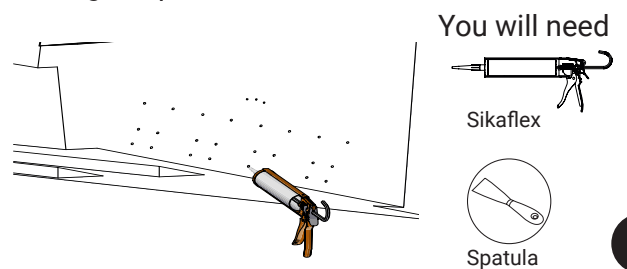
Correct angle

For maximum performance and less drag, install interceptors on the transom so blades deploy vertically. If transom is not vertical to water plane, correct the angle by using wedges or other means.

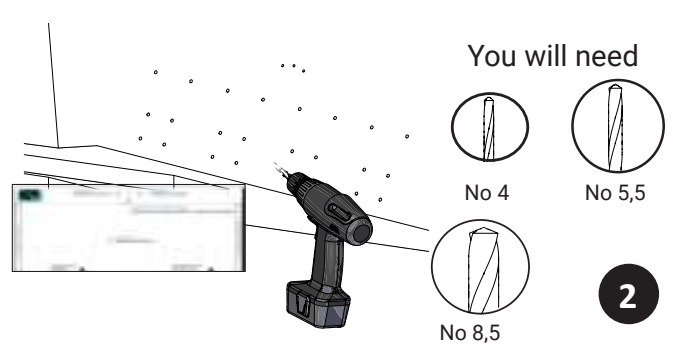
Interceptor Installation



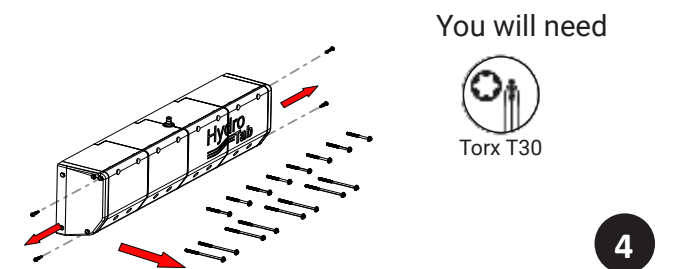
Drill all the pattern holes with 3mm bore without removing the pattern.



Apply Sikaflex 291 to the holes and use a spatula to clean the excess glue from holes.

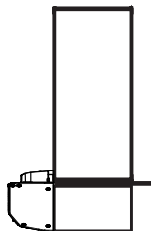


Remove the pattern and drill according to the pattern instructions.

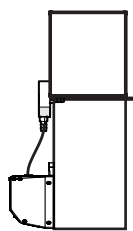


Remove the screws and open the interceptor.

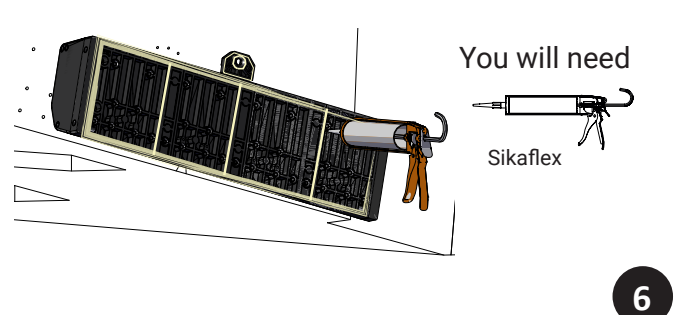
Direct air supply



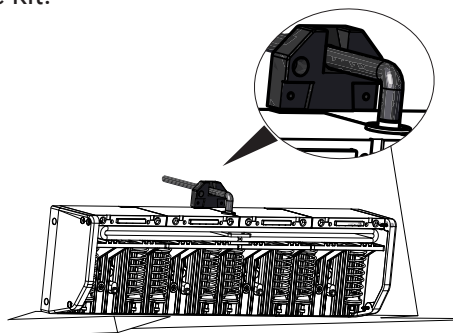
Indirect Air Supply Kit



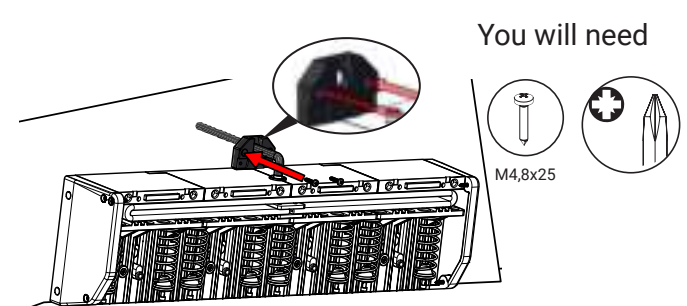
For Direct Air Supply: Advise the instructions.
For indirect Air Supply: Use the components included in the kit.



Apply Sikaflex to the interceptor.

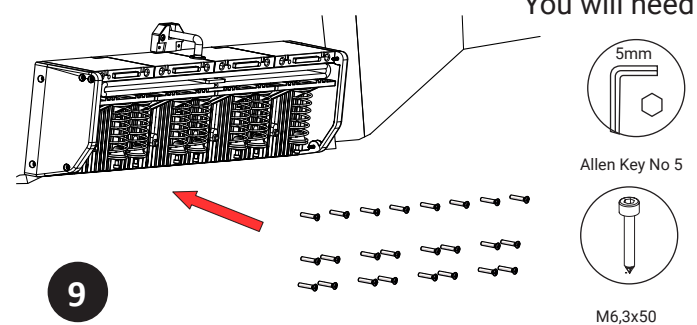


Mount the pipe into the drilling hole.

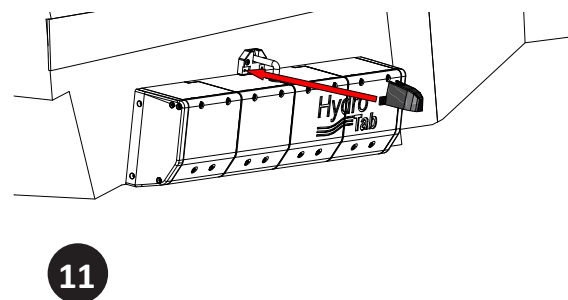


Mount the cap base to the transom.

Interceptor Installation

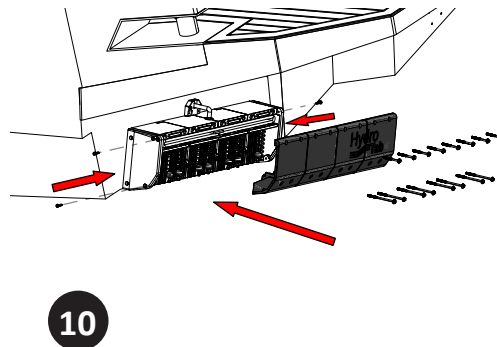
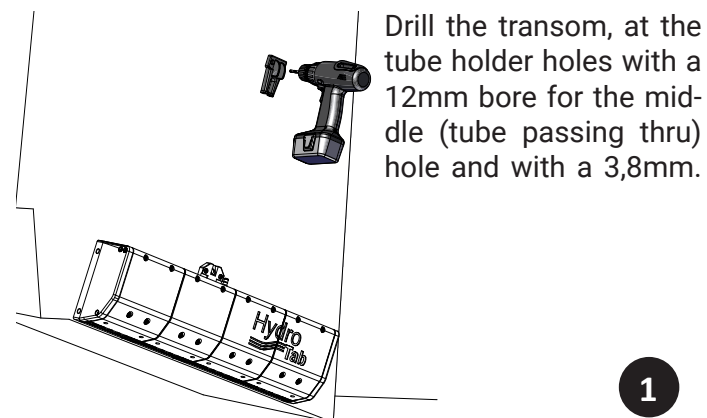


Mount the interceptor to the transom.

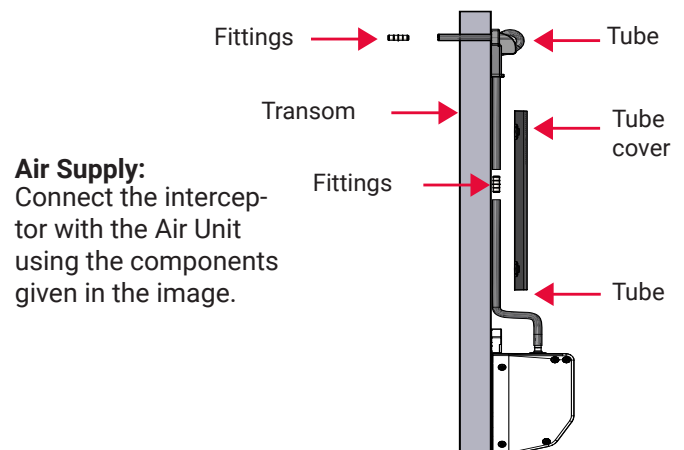
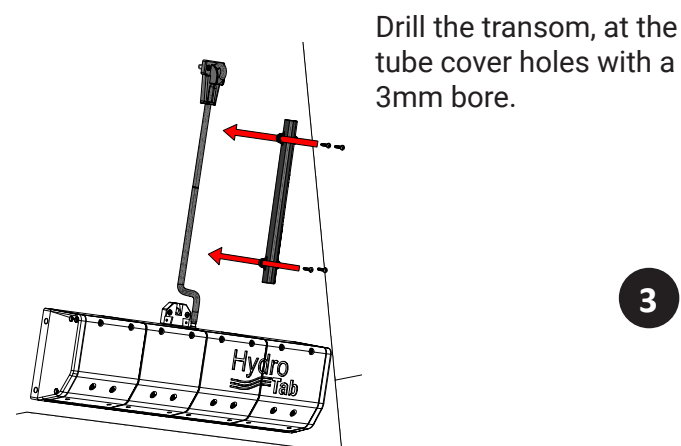
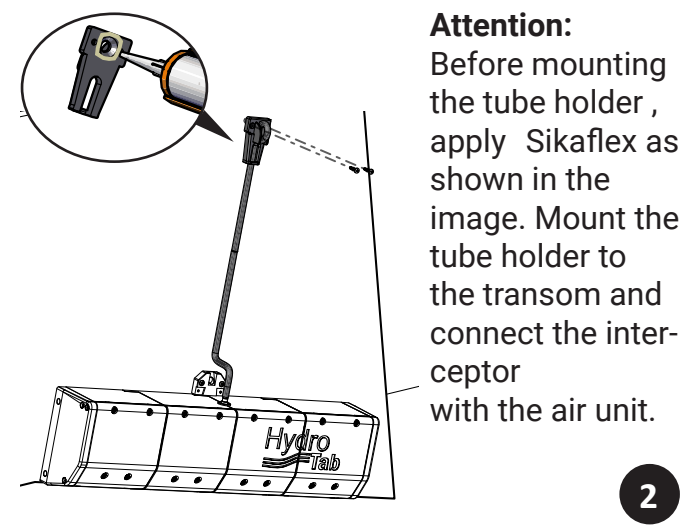


Mount the cap.

Indirect Installation



Mount the front cap and tighten the screws that were removed at step 4.



Spare Parts List



			MODEL					
			LS 480	LS 640	LS 800	LS 960	LS 1120	LS 1280
			ASM-01486	ASM-01487	ASM-01488	ASM-01489	ASM-01490	ASM-01491
BOM ID	Part No	Description	Qty	Qty	Qty	Qty	Qty	Qty
1	GEN-00611	SIDE COVER LEFT	1	1	1	1	1	1
2	GEN-00610	SIDE COVER RIGHT	1	1	1	1	1	1
3		LS TUBOLAR	1	1	1	1	1	1
4	SPR-00041	LS SPRING	6	8	10	12	14	16
5	REV-00642	SPRING GUIDE	6	8	10	12	14	16
6	GEN-00612	BLADE, LEFT & MAIN	2	3	4	5	6	7
7	GEN-00609	FRONT COVER	1	2	3	4	5	6
8	REV-00631	ADDITION FOR AIR SUPPLY FITTING	1	1	1	1	1	1
9	GEN-00615	FRONT COVER, SPLIT LOGO 1	1	1	1	1	1	1
10	GEN-00616	FRONT COVER, SPLIT LOGO 2	1	1	1	1	1	1
11	GEN-00606	BACK COVER MAIN	1	2	3	4	5	6
12		LS ROD	1	1	1	1	1	1
13	GEN-00613	BLADE, RIGHT	1	1	1	1	1	1
14	GEN-00607	BACK COVER, RIGHT	1	1	1	1	1	1
15	REV-00630	LS BLADE RETAINING WASHER	3	4	5	6	7	8
16	GEN-00608	BACK COVER, LEFT	1	1	1	1	1	1
17	FAS-02549	SCREW (6,1x48)	6	8	10	12	14	16
18	FAS-02650	SCREW(6,1x97)	6	8	10	12	14	16
19	ASM-01493	LS INDIRECT AIR SUPPLY SET	1	1	1	1	1	1

Warranty Conditions

LS Series Interceptor units are covered by a 2-year Warranty. Recoil springs, electrical/electronic parts and devices come with a 2-year warranty. Anodes (consumables) are not included in the warranty. Hydrotab's warranty only covers the repair or replacement of spare parts.

System selections

It is the sole responsibility of the buyer to choose the correct system and even with Hydrotab's suggestion for a system, the overall responsibility is with the buyer.

Limited warranty

Provided that the system has been installed in accordance with the installation manual we provide, and no damage has been caused due to improper handling or practices, Hydrotab will replace any defective parts or parts that failed due to improper manufacturing within the applicable warranty period.

Hydrotab only covers the parts' replacement. Fitting or shipping costs are not covered by warranty.

Hydrotab will select if we will repair or replace any given part. Repaired or replaced products will assume the remainder of the warranty time and under no conditions will the full time of warranty be renewed.

Limited warranty periods

Limited warranty period is two years (2 years) from the product shipment from our premises.

Extended limited warranty period

It is provided in case:

- a) Hydrotab trim system is included as equipment of a newly purchased boat directly by from the boat-builder or his reseller.
- b) Hydrotab trim system has been purchased through a Hydrotab dealer.

The extended limited warranty period is valid for three (3) years from the shipping date, provided that the customer has downloaded, completed and submitted the online registration form within one month (30) days from the purchase in the following url.

<https://www.hydrotab.gr/product-registration>

In case the dealer sells separate units of Interceptors, Air Units and Controllers that constitute a full system that is not initially sold (as a complete system) by Hydrotab, the dealer has the responsibility to provide the separate Serial Numbers for the Interceptors, Air Units and Controllers and guide the end user for the proper registration of his serial numbers for the extended warranty to be valid.

The authorized dealer is responsible for the product's service.

For any services or spare parts requirements and replacements during warranty period, the original invoice is necessary to be presented.

For the replacement of any part of the system (interceptors, Air Unit, any controller etc.) under warranty, the replaced parts must be returned to Hydrotab Marine Engineering for inspection, otherwise warranty is not valid.

Cost of dismantling - assembly and spare parts transportation is borne by the user.

The warranty does not foresee, under any circumstances, replacement of the whole Hydrotab system.

What is not covered by the warranty:

Damage caused by the lack or non-replacement of worn anodes (for BT, FW, TS Series).

Damage caused by improper installation and use not consistent with the manual.

Damage with external visible deformation of the product caused by misuse of the user or other external causes.

Damage to any component caused during transportation, installation or repair from non-authorized personnel.

Conversions or modifications made after the initial sale.

N. Triantafyllis Ltd (Hydrotab Marine Engineering) is not liable for any incidental, indirect or consequential damages or losses, including, without limitation: travel expenses, transport, lifting and hauling, costs, loss of income, loss of time, loss of property, loss of profits, personal injury or damage of any products, different from those that the company distributes. Any further (except the above mentioned) commitment of the intermediate dealer regarding the sale terms or servicing of Hydrotab products does not create any liability of our company.

Notes

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.



www.hydrotab.gr/product-registration

Congratulations for your
new Hydrotab system!

Please register to activate the
extended limited warranty

