

BOAT TRIM SYSTEM

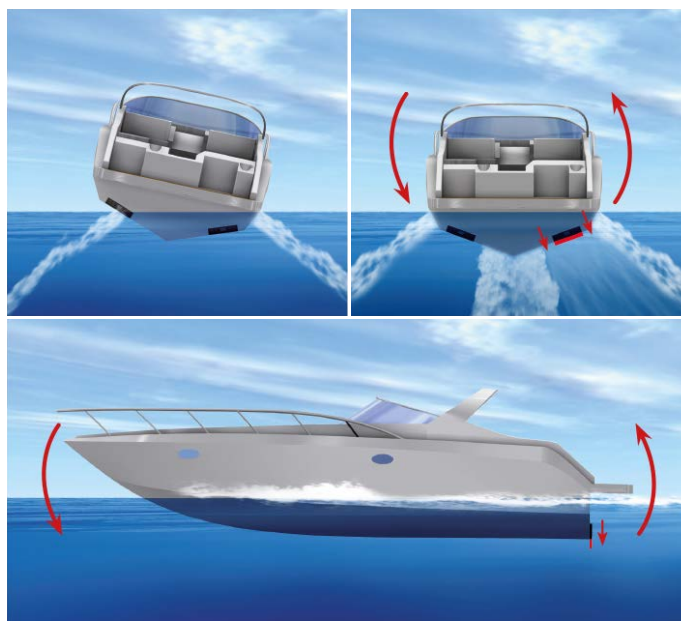
Enjoy a smoother ride, automatically



The Boat Trim System (BTS) with its patented interceptor technology gives you perfect control over pitch and heel with rapid response, quicker onto plane, lower fuel consumption and a more comfortable ride. Even better, add the Automatic Boat Trim option which takes over the task of keeping the boat correctly trimmed - automatically!

Superior comfort

Thanks to the interceptor technology you get a smoother ride. The trim system, recommended for speeds up to 45 knots, has all the same performance qualities as conventional trim tabs plus the additional benefits of quicker response, less drag and compact design. Unlike conventional trim systems using hydraulics the system is operated electronically. As no hydraulic oil is used, there's no risk of oil leakage in sensitive marine environments.



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Easy to operate

The Boat Trim System is easy to manually operate from the control panel. The trim indicators show the position of port and starboard interceptor units. With the four push buttons you adjust; bow down and bow up, list starboard and list port. Several control panels may be installed for multiple stations.

To reduce the risk of damage and minimize marine growth, the blades are automatically retracted at engine shut off.

Automatic boat trim option

The Automatic Boat Trim option further enhances comfort and safety. Just press the "A" button and the system automatically keeps the pre-set preferred boat attitude. The trim

indicators continuously shows the blades position, making it possible to see how the system is working.

The Automatic Boat Trim option compensates for changes in speed, wind or people moving about on board. Thanks to the integrated GPS receiver, it also senses changes in course and does not compensate for heeling in turns. The system also automatically gets the boat quicker onto plane, by using a few pre-defined blade positions when accelerating.

The Automatic Boat Trim option can be configured to compensate for both pitch and heel, or only for heel. The latter is recommended if Volvo Penta Power Trim Assistant is activated.

Low maintenance

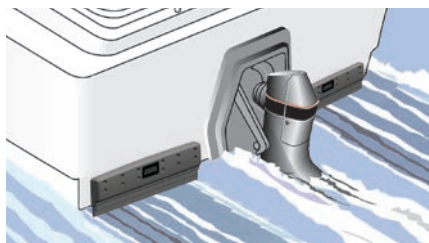
The system is made of composite material and all electrical parts are "sealed for life". It is virtually corrosion free and will not cause any galvanic corrosion. This means there is very little maintenance compared to conventional hydraulic trim tab systems.

Compact installation

With its compact design, the interceptor units are easily mounted. The only affect on the hull is a small hole for the electrical connection. Additional interceptor units may be installed side by side, i.e. two units on each side of the hull. The trim system is designed for several helm stations.



Intuitive and user-friendly control panel



Boat Trim System with interceptors



Traditional trim system

What you get

- Improved fuel efficiency
- Greater lift and less drag compared with conventional trim tabs.
- Quickly onto the plane.
- Intuitive, user-friendly control panel.
- Automatic Boat Trim functionality (option)

The Boat Trim System is recommended for speeds up to 45 knots and ideal for outboard, inboard I/O and waterjet installations.

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Sizing guidelines

The following sizing recommendations are general and based on average performance for planing boats.

You may need a larger interceptor configuration than recommended if the boat is underpowered relatively heavy, has a low cruising speed or

has a high planing threshold. The interceptor units are available in two lengths; 300 mm and 450 mm. They may be installed individually or in pair. The largest possible interceptor blade surface suited to the transom is also the most effective solution.

As many factors affect the choice of properly sized interceptor unit configurations, the ultimate responsibility for selection is up to the boat owner or the boat producer. Contact your local Volvo Penta dealer for further guidance.

Features and benefits

- 12V and 24V
- Improved fuel efficiency
- Quicker onto plane
- Enhanced onboard comfort and safety
- Rapid response
- Intuitive control panel
- Precise trim indication
- Automatic retraction at engine shut off
- Greater lift, less drag compared with conventional trim tabs
- Composite material, no corrosion
- Electronic actuator, no hydraulics
- Virtually no maintenance
- Designed for up to four helm stations
- Easy to install
- Compact dimensions, light weight
- Ideal for outboard, inboard, I/O and waterjet installations
- Complies with CE and ABYC requirements.

Automatic boat trim option

- Fully automatic boat trim
- Always perfect trim for optimal onboard comfort and fuel economy
- Senses changes in course and does not try to compensate for boat heeling in sharp turns
- Preferred boat attitude retained in memory on engine shut down.
- Manual override at any time
- Easy installation
- Can be retrofitted to existing Boat Trim Systems, without lifting the boat
- No extra maintenance required
- Complies with CE and ABYC requirements.

Boat length

15' - 24'
22' - 30'
28' - 34'
32' - 44'
42' - 46'

Single engine installation

BTS 300
BTS 450
BTS 450
BTS 450 + BTS 300
BTS 450 x 2

Twin engine installation

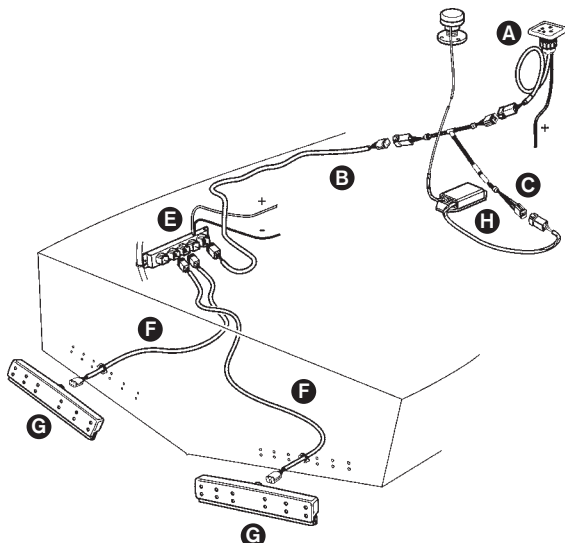
BTS 300
BTS 450
BTS 450
BTS 450 x 2

For semi-planing hulls, it may be necessary to increase the length of the trim unit configuration.



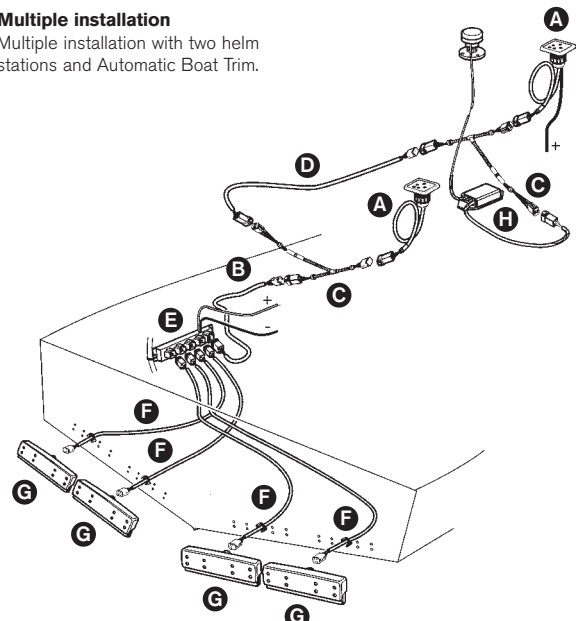
Single installation

Single installation with one helm station and Automatic Boat Trim.



Multiple installation

Multiple installation with two helm stations and Automatic Boat Trim.



Component guide and how to order, see next page