

QL Boat Trim System



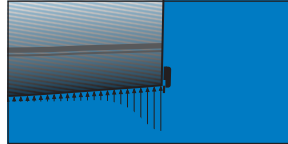
Marine Accessories
By Volvo Penta

Enjoy a smoother ride

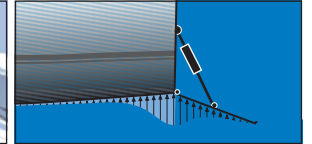
The QL Boat Trim System is a revolutionary patented system that uses vertical interceptor blades rather than the conventional plates. Thanks to the water intercept technology you get a smoother ride and more quickly onto the plane. The innovative design is made of composite material and unlike traditional trim systems, no hydraulics are involved, it is pure electrical. This makes it easy to install, corrosion free and virtually no maintenance is required.



New unique QL Boat Trim System with interceptors. Water-force on the small blade surface creates upward pressure on the hull bottom, thereby raising the stern and lowering the bow.



Traditional trim system. Water-force on a large trim tab surface creates upward pressure. Traditional trim tabs stick out from the hull and are therefore more vulnerable and exposed to damage.



QL Boat Trim System

Thanks to the water intercept technology used by the system, you get a smoother ride. The new trim system, designed for speed up to 50 knots, has all the same performance qualities as conventional trim tabs plus the additional benefit of quicker response, less drag and smaller dimensions. Unlike conventional trim systems using hydraulics the new QL Boat Trim System is operated electronically.

The main components of the system are:

- Interceptor units
- Control panel
- Control unit
- Plug-in cable harnesses

The advantages of the QL Boat Trim System are obvious and ensure a safer and more comfortable journey.

Easy installation

With its small dimensions, the QL 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.

Built-in trim indication and automatic retraction

The QL Boat Trim System with built in trim sensor, is easily operated from the push button control panel with its distinct trim indication (LED). Thanks to the digital technology, the trim indicators show the precise position of port and starboard units. The control panel has the following functions; 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 minimise marine growth, the blades are automatically retracted at engine shut off.

Low maintenance

The QL Boat Trim 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. The fact that no hydraulic oil is used, makes it less harmful to the marine environment.

QL Boat Trim System

- 12V and 24V.
- Easy, safe and exact manoeuvring.
- Quick response.
- Built in trim sensor.
- Control panel with LEDs for precise trim indication.
- Automatic retraction
- Electrical actuator, no hydraulics needed.
- Electric components are "sealed for life".
- Designed for several helm stations.
- Suitable for multiple installation.
- Composite material, no corrosion.
- Quick and easy to install.
- Small dimensions, light weight.
- Ideal for outboard, inboard, I/O and Volvo Penta IPS (Inboard Performance System) and also for waterjet installations.
- Complies with CE and ABYC requirements.





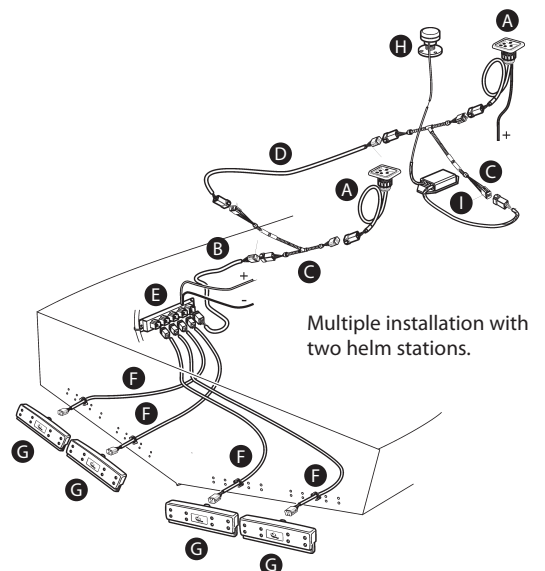
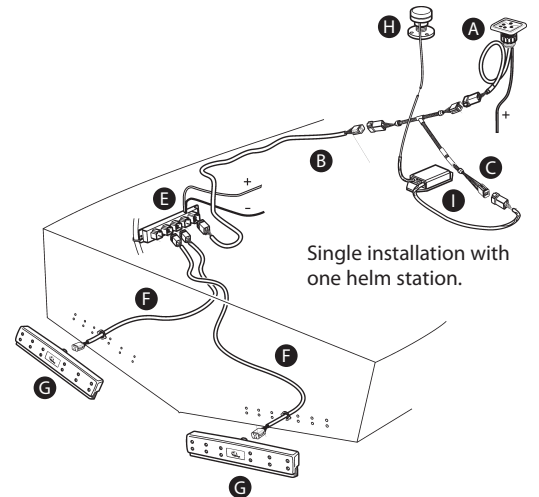
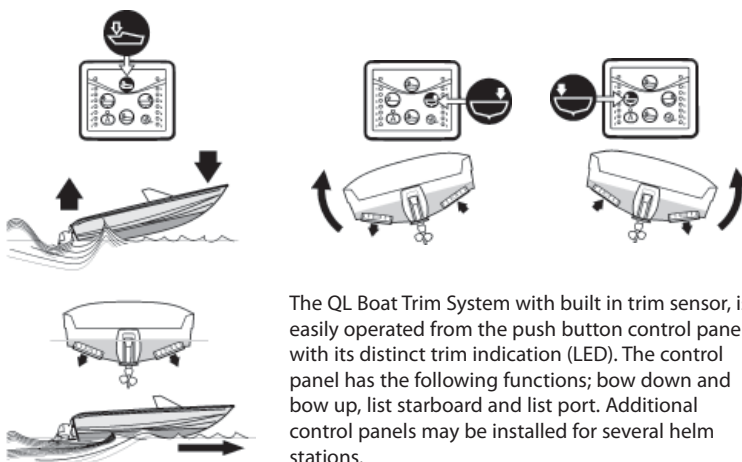
QL Boat Trim System, Sizing Guidelines

Many factors affect the choice of properly sized trim unit configurations, and the ultimate responsibility for selection is up to the boat owner or the boat producer. These sizing recommendations are based on average performance. Your choice may vary based on power, engine configuration, weight distribution, type of boat

and use. When making a choice, please remember that the largest interceptor configuration that will comfortably fit on the transom will be the most efficient. The QL Boat Trim System is designed to fully replace conventional trim tabs.

Boat length	Single engine installation	Twin engine installation
15' - 24'	QL300	
22' - 30'	QL450	QL300
28' - 34'	QL450	QL450
32' - 44'	QL450 + QL300	QL450
42' - 50'	QL450 x 2	QL450 x 2

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



Component guide and how to order, see next page

How to order

Two basic kits for single installation with one helm station are available at Volvo Penta dealers and selected Marine retailers worldwide.

300 mm kit, Part No 3593903 including:

- 2 Interceptor units 300 mm (2 x 1140714)
- 1 Control panel (1 x 3847462)
- 1 Control unit (1 x 3593900)
- 2 Cables 2,5 m (2 x 3817171)
- 1 Cable 5 m (1 x 874789)

450 mm kit, Part No 3593902 including:

- 2 Interceptor units 450 mm (2 x 1140712)
- 1 Control panel (1 x 3847462)
- 1 Control unit (1 x 3593900)
- 2 Cables 4 m (2 x 3817172)
- 1 Cable 9 m (1 x 889551)

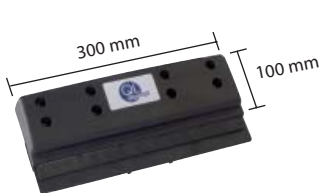
For other configurations, use the separate ordering and component guide as below.

Ordering and component guide

Description	Part No.	1 helm station					2 helm stations *				
		2x300	2x450 + 2x450	2x300	4x300	4x450	2x300	2x450 + 2x450	2x300	4x300	4x450
Mandatory components											
A Control panel	3847462	1	1	1	1	1	2	2	2	2	2
B 6-pole cable (select length)	5 m	874789	1	1	1	1	1	1	1	1	1
	7 m	889550									
	9 m	889551									
	11 m	889552									
	13 m	888013									
C 6-pole T-cable	3588972						1	1	1	1	1
D 6-pole extension cable (select length)	1,5 m	3889410					1	1	1	1	1
	3 m	3842733									
	5 m	3842734									
	7 m	3842735									
	9 m	3842736									
	11 m	3842737									
E Control unit 1-pair of interceptors	3593900	1	1				1	1			
Control unit 2 pair of interceptors	3593901			1	1	1			1	1	1
F 4-pole cable (select length)	2.5 m	3817171	2	2	4	4	4	2	2	4	4
	4.0 m	3817172									
G Interceptor unit 300 mm	1140714	2		2	4		2		2	4	
	1140712		2	2		4		2	2		4
Optional component											
H I Resettable breaker 8A**	966689	2	2	2	2	2	2	2	2	2	2

* Note! For each extra helm station (max 4 helm stations possible), add one control panel, one 6-pole T-cable (C) and one 6-pole extension cable (D).

** Note! If the boat does not have a separate fuse box accessible, Volvo Penta resettable 8A breaker may be used. Breaker 966689 is not ignition proof and must therefore not be used in gasoline engine rooms.



QL Boat Trim System kit



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By Volvo Penta**

QL – Quality Line – a series of marine accessories supported by the Volvo Penta dealer network and selected independent dealers worldwide.

www.qlmarine.com