

**"VOL"VOPENTA.****AB Volvo Penta**

SE-405 08 Göteborg, Sweden

**Parts Bulletin**

Group	Number	Version
<b>P-44-S</b>	<b>11</b>	<b>01</b>

**Volvo Penta Boat Trim System and Automatic Boat Trim System**

Models: Accessories

Distribution: Parts      Date: 2010-12-10      Binder: Parts      Replaces:

Volvo Penta Boat Trim System and Automatic Boat Trim System will be launched week ending December 11. They are the result of further development and improvements to the QL Boat Trim System which was extremely popular with boat builders and boat owners around the world.

**Basic system**

The most important innovations in the standard system (excluding the Automatic Boat Trim) are:

- New, stiffer material in the interceptors
- New control panel functions that provide improved ability to fine tune boat trim angle
- New, improved software that is also adapted to suit the new Automatic Boat Trim System
- The Volvo Penta logo
- Updated installation and operator manual

QL BTS will no longer be offered after the launch of Volvo Penta BTS, but will be replaced by the new system.

**Volvo Penta Automatic Boat Trim System**

Volvo Penta Automatic Boat Trim System takes over the task of trimming the boat and does so automatically. Just trim the boat to the desired trim angle and press button A. The system switches to auto mode and compensates for changes in speed, windage or people moving around on board. Volvo Penta Automatic Boat Trim System is to a great extent a new system with improvements to many features and completely new functions:

- The software that controls the system has been updated to provide improved performance in auto mode:
  - The system reacts more quickly during acceleration which also means the boats gets up onto the plane faster.
  - The system is better at detecting rapid turns and compensating correctly in the turn.
- Interceptor positions are shown constantly on the control panel when the system is in auto mode, which means it is possible to follow how the system is working to constantly maintain the correct trim angle.
- It is possible to set up the system so that only thwartships compensation is provided, which is recommended in boats that have Volvo Penta Power Trim Assistant installed.

## Order structure

Two standard kits (300 mm and 450 mm) with one pair of interceptors and a control panel for one helm station, plus a kit for Automatic Boat Trim System are available for order. The kits and their contents are as follows:

### BTS 300 mm, Part # 21534532

2 Interceptors, 300 mm	2 x 21527471
1 Control panel	1 x 21508559
1 Control unit	1 x 21546221
2 Cables, 2.5 m	2 x 1140720
1 Cable, 5 m	1 x 874789

### BTS 450 mm, Part # 21534533

2 Interceptors, 450 mm	2 x 21527472
1 Control panel	1 x 21508559
1 Control unit	1 x 21546221
2 Cables, 4 m	2 x 1140721
1 Cable, 9 m	1 x 889551

### Automatic Boat Trim, Part # 21561103\*\*\*

1 GPS receiver	1 x 3847459
1 Attitude control unit	

Use the following order information for other configurations.

## Order information and components included

Description	Part No.	helm station					2 helm stations				
		2x300	2x450	2x300 + 2x450	4x300	4x450	2x300	2x450	2x300 + 2x450	4x300	4x450
<b>Mandatory components</b>											
A Control panel ***	21508559										
B 6-pole cable (select length)											
5m	874789	1	1	1	1	1	1	1	1	1	1
7m	889550										
9m	889551										
11 m	889552										
13m	888013										
C 6-pole Y-cable	3588972										
D 6-pole extension cable (select length)											
1,5 m	3889410										
3m	3842733										
5m	3842734										
7m	3842735										
9m	3842736										
11 m	3842737										
E Control unit	21546221										
F 4-pole cable (select length)											
2,5m	1140720	2	2	4	4	4	2	2	4	4	4
4,0m	1140721										
G Interceptor, 300 mm	21527471	2		2	4		2		2	4	
Interceptor, 450 mm	21527472		2					2			4
<b>Optional components</b>											
H (Automatic BTS kit **)	21561103										
I Resetable breaker 8A **	966689	2	2	2	2	2	2	2	2	2	2

\* NOTE: For each auxiliary helm station (max 4 helm stations), add one control panel (A), one 6-pole Y-split cable (C) and one 6-pole extension cable (O).

\*\* NOTE! If no separate circuit breaker is available, resettable circuit breaker 966689 may be used. Circuit breaker 966689 is not arc proof and may therefore not be used in engine compartments with gasoline engines.

\*\*\* NOTE! The installation will require one 6-pole Y-split cable (C) and where necessary one 6-pole extension cable (O). These are ordered separately.

Also, bear in mind the following when ordering Automatic Boat Trim, 21561103: Only one kit per Boat Trim System installation is necessary, regardless of the number of interceptors and helm stations. Automatic Boat Trim can also be retrofitted to existing QL Boat Trim System installations, but in this case the existing control unit must be replaced, therefore also order 1 pc control unit, part # 21546221. In order to be able to see interceptor positions in auto mode, control panel 21508559 is also required.

## **Replacement parts**

The replacement parts available for the Volvo Penta Boat Trim System are specified in the order structure and order information on the previous page. The part numbers are fully backward-compatible with QL BTS, and will also replace the equivalent QL BTS part number.

Volvo Penta will therefore not supply QL-marked BTS components as replacement parts, but will refer to the equivalent Volvo Penta component.

This replacement part information supersedes Parts Bulletin P-44-5 5 01.