To avoid confusion, please be aware that this Bulletin concerns the QL Automatic Boat Trim System and not the Power Trim Assistant (PTA)!

Several market inquiries of using alternative GPS receivers for QL Automatic Boat Trim system have been asked and for that reason it's important to make clear as follows:

The QL Automatic Boat Trim system allows the boat driver to set the desired boat attitude and let the Automatic System take care of necessary trim adjustments in a safe and comfortable way. For a correct and reliable function of the system, several inputs are needed, such as boat inclination (longitudinal as well as transverse), speed and course change. The function of the GPS receiver is to provide speed and course change information to the ACU (Attitude Control Unit). When a planing boat turns, i.e. the course is changed, it naturally tends to tilt and it's not desirable to counteract the tilt while still in turn. The GPS receiver recognizes the turn (course change) and tells the ACU to disengage the heel compensation (transverse boat trim). Once the turn is completed, i.e. the course remains steady, the temporary disengaged heel compensation is re-engaged and the Automatic Boat Trim system operates the Interceptor units so that the set boat attitude is reached and maintained. To secure the behaviour as described above, it's of vital importance that the GPS signals to the ACU are obvious and clear and that no external disturbances may cause misleading or unclear signals to the ACU, which may result in undesired behaviour of the trim system while in Auto mode.

The QL Automatic Boat Trim system is designed, tested and verified to work together with the specific GPS receiver (P/No 3847459), with no other components (plotters, instruments etc) connected to it.

To sum up. Only by using and installing the specified components, and following the valid Installation Instructions, Volvo Penta will take responsibility for a reliable and proper function of the QL Automatic Boat Trim System!