

NAVpilot

NAVpilot-300 and Yanmar VC10 Compatible with VL8 and JC10



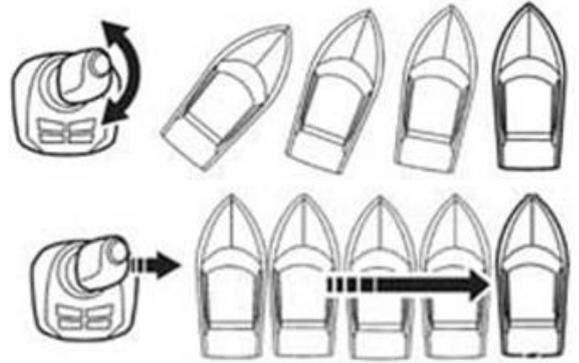
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1.1. What is Yanmar VC10?

Yanmar VC10 is an electronically controlled steering system.

All steering actions are controlled electronically. Shifting and rotational vessel motion can be controlled with a joystick as shown at right.



1.2. Yanmar VC10 with NAVpilot-300

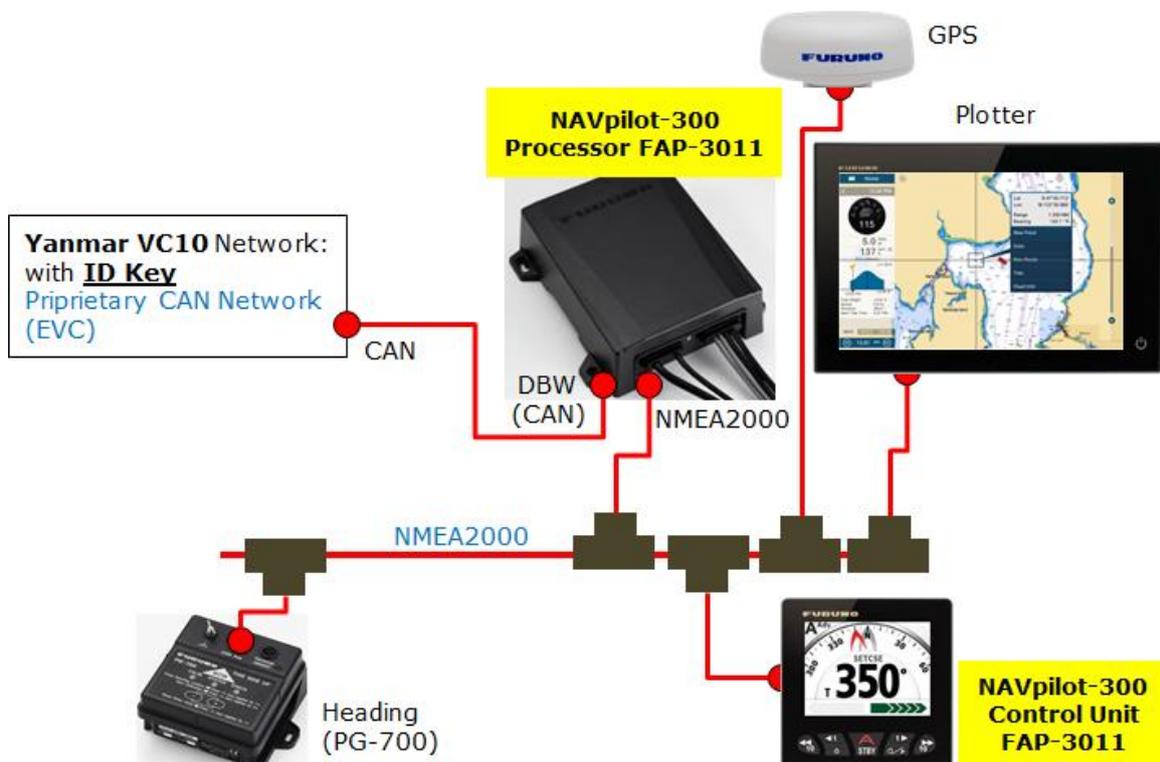
The **NAVpilot-300** is **directly** connected to the Yanmar VC10 EVC CAN Bus network. No Gateway is required.

Note:

The Yanmar VC10 system **must** have an **ID Key (Yanmar supply)** to activate the communications between the Yanmar VC10 and the autopilot.

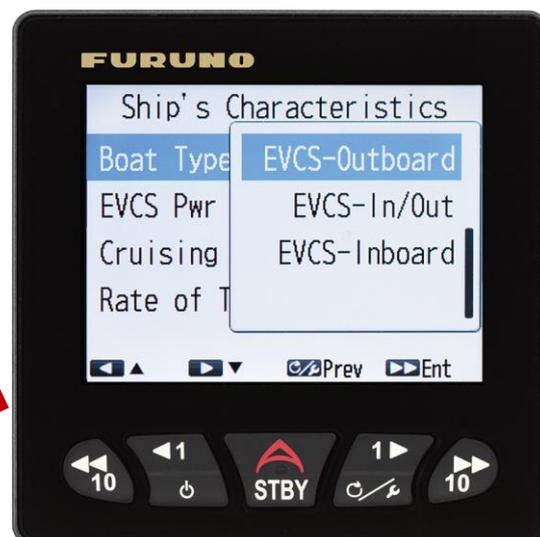
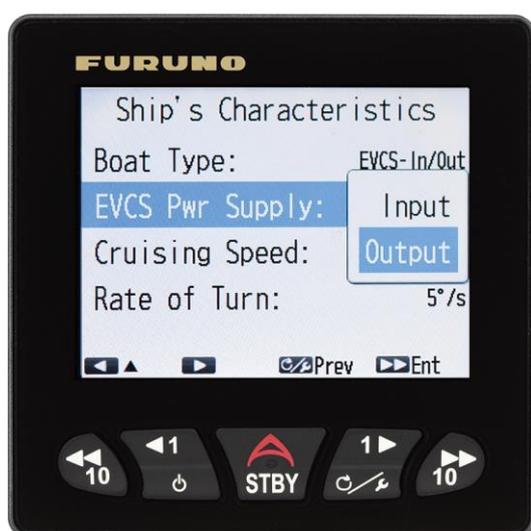
1.3. Interconnection

The following drawing shows an overview of the NAVpilot-300 connected to the Yanmar VC10 network. The NAVpilot-300 processor unit is directly connected from the **DBW (CAN) port to the EVC bus** to network with the VC10. No gateway is required.



1.4. Initial Settings on NAVpilot-300

- (1) In the Installation Menu, access [Installation] – [Ship's Characteristics] – [Boat Type] and select [EVCS-Outboard], [EVCS-In/Out], or [EVCS-Inboard].
- (2) Then set [EVCS Pwr Supply] to [Output].



- (3) Set the [Boat Length], [Cruising Speed], and [Rate of Turn] to fit the customer's boat characteristics.
- (4) Make sure that "No detection" failure message does not appear to confirm that the connection with the Yanmar VC10 Steering system is established.

Note:

You do not need to perform the rudder limit setup nor the rudder test because those values are already fixed by the Yanmar VC10 system.

1.5. Compatible Software Version

The NAVpilot-300 is compatible with Yanmar VC10 from the initial version.

Items	Versions
Processor Unit FAP-3012	01.03 or later
Control Unit FAP-3011	01.04 or later

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