Installation Procedure: EVC-E2 D4/D6 Aquamatic & Inboard

Typical installation
Single engine, inboard

Typical installation / Main station
DPH twin, electronic steering

Flybridge
DPH twin, electronic steering

Docking station
DPH twin, electronic steering

Steering Control Unit (SCU)
DPH twin, electronic steering

NMEA2000 backbone

Connecting multiple Multilink hubs

IMPORTANT!
- Never cut or modify the Volvo Penta EVC harnesses. Use Volvo Penta relay for external power supply.
- For extra hower unit (display etc.) is 3 m (10 ft).

IMPORTANT!
- Connecting multiple Multilink hubs:
  - Max. total cable length on Multilink is 20 m (66 ft).
  - Maximum cable length between Multilink hub and unit (display etc.) is 3 m (10 ft).

IMPORTANT!
- Power supply, use the Volvo Penta relay for external power supply.

IMPORTANT!
- Male TRIM CONN.
- Female TRIM CONN.

IMPORTANT!
- Shaft cable bending 5˚ downwards.
- Mount actuator on transom preferably, angled 5˚ upwards. Cover upper slot with a decal.

IMPORTANT!
- Never cut or modify the tension cable.
- Use AUX bus termination plug.

IMPORTANT!
- The SCU can be mounted vertically or horizontally. Do not mount the SCU with hoses leading to levers mounted vertically or horizontally. Do not use the SCU with hoses leading to levers mounted vertically or horizontally.

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IMPORTANT!
- There is no need of termination plugs if nothing is connected on the AUX bus.

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Example: Twin installation with 2x 12V battery, AUX bus termination plug, without (right) accessories connected on the AUX bus.

Example: Single installation with 2x 12V battery, AUX bus termination plug, without (right) accessories connected on the AUX bus.
Components and Cables

**Components**

- **Steering**
  - Joystick, incl. cable 1,5 m (5 ft.) Part no. 21812230
  - Steering wheel 3,8 m (12 ft.) Part no. 21812226

- **Controls**
  - Built-in HCUs
    - Part no. 21856280
  - Twin engine levers
    - Part no. 21812209
  - Compass (CCU)
    - Kit no: 21469055
  - Multilink hub
    - Part no. 21758351
  - e-Key
    - Part no. 21856286
  - Stand-alone HCU
    - Kit no. 21846926
  - Interceptor and servo unit
    - Kit no. 22080265
  - User interface
    - Part no. 21856289

- **Cables**
  - 12 m (39 ft.) NMEA2000 Extension cable
    - Part no. 21812196**
  - 5 m (16 ft.) Y-split multilink, 6-pin
    - Part no. 21812194**
  - 23 m (76 ft.) NMEA2000 Powercable
    - Part no. 21812205**
  - 12 m (39 ft.) e-Key extension cable
    - Part no. 21812193**
  - 12.5 m (41 ft.) 2.5" display harness
    - Part no. 21865856
  - 12.5 m (41 ft.) 7" display power supply
    - Part no. 21865858
  - 3 m (10 ft.) Multilink Y-connector, 6-pin
    - Part no. 21421946
  - 3 m (10 ft.) Multilink T-connector
    - Part no. 22080263
  - 3 m (10 ft.) NMEA2000 T-connector
    - Part no. 21825713
  - 7.5 m (25 ft.) e-Key harness with locking lanyard
    - Part no. 21856282
  - 3 m (10 ft.) Multilink 4-pin Extension cable
    - Part no. 21856281
  - 16 m (53 ft.) 4" display cable, 6-pin
    - Part no. 21856284
  - 16 m (53 ft.) 7" display cable, 6-pin
    - Part no. 21856285
  - 15 m (49 ft.) Multilink plug
    - Type: Male
      - Part no. 21856283
  - 14 m (46 ft.) Multilink plug
    - Type: Female
      - Part no. 21856284
  - 14 m (46 ft.) NMEA2000 Extension cable
    - Part no. 21856288
  - 15 m (49 ft.) NMEA2000 Powercable
    - Part no. 21856289
  - 15 m (49 ft.) NMEA2000 T-connector
    - Part no. 21856290
  - 12 m (39 ft.) 2.5" display harness, 6-pin
    - Part no. 21865857
  - 12 m (39 ft.) 7" display power supply
    - Part no. 21865859
  - 3 m (10 ft.) Multilink Y-connector, 6-pin
    - Part no. 21421945
  - 3 m (10 ft.) Multilink T-connector
    - Part no. 22080262
  - 3 m (10 ft.) NMEA2000 T-connector
    - Part no. 21825712

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*One cable per engine*