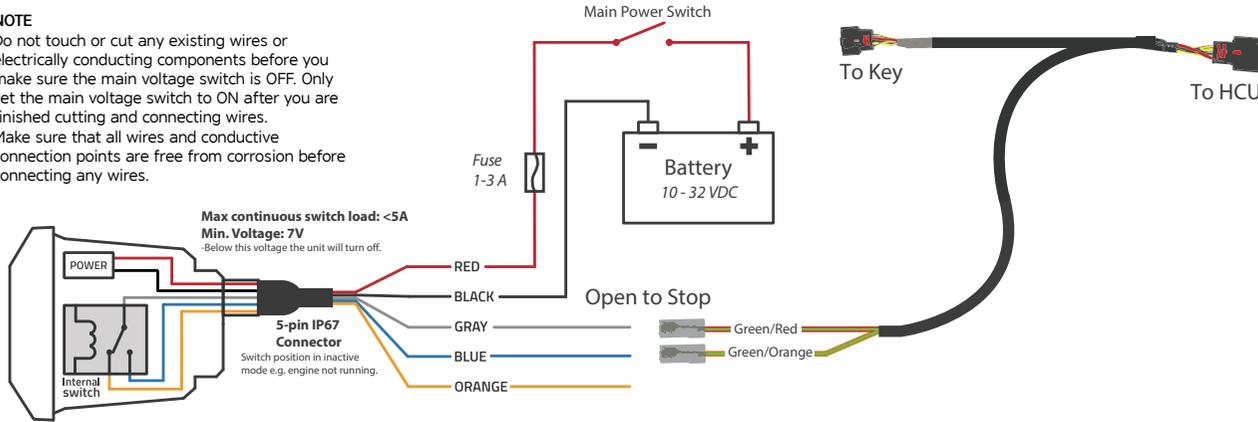


Quick guide Volvo Penta Installing MOB+ Wireless Man OverBoard system

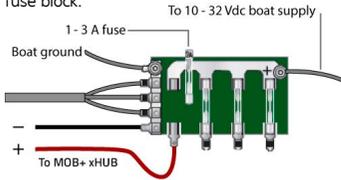
NOTE

Do not touch or cut any existing wires or electrically conducting components before you make sure the main voltage switch is OFF. Only set the main voltage switch to ON after you are finished cutting and connecting wires. Make sure that all wires and conductive connection points are free from corrosion before connecting any wires.



Connecting the Power

- (10-32 Vdc)
1. Use a test light or a voltmeter to determine the polarity of the voltage source.
2. Connect the red (+ or positive) wire to the positive voltage terminal. (If you use the fuse block on the boat, route the positive connection through the fuse, as shown on the diagram.)
3. Connect the black (- or ground) wire to the negative voltage terminal.
4. Install or check the 1-3 A fuse (in the in-line fuse holder, or on the fuse block of the boat).
5. Use wire hoods suitable for the wire dimension (20AWG, 0.75mm²) or connection point on the fuse block.



NOTE

MAX Voltage for WIMEA Boat Unit is 32Vdc. Do not apply higher voltage as this will void your warranty and may break the unit.

NOTE

Use an AGC / 3AG - 1-3 Amp replacement fuse. If it is necessary to extend the power and ground wires, use 20 AWG or thicker wire. You can wire the Power Wires directly to the main boat battery, or if your boat has an electrical system, you might be able to wire the Power Wires to an unused holder on the fuse block. In any case it should be after the main power switch to avoid current drainage when the boat is left unattended.

It is very important that the MOB+ gets supplied power from a stable source which is not susceptible to voltage drops as if it gets below 7V supply voltage, the unit will restart and stop your engine.

Keep existing kill switch



MOB+ can be installed together with your existing kill switch by connecting it in series or parallel. If you should connect in series or parallel depends on your existing kill switch function. The above picture shows an example with Normally Closed connection.

Connect signal wires

To install MOB+ Wireless Man OverBoard System on a Volvo Penta, an original cable from Volvo Penta should be used. This cable can be ordered directly from your closest Volvo Penta dealer.

- The signal cables on MOB+ consists of three wires. Only two of these are used for installation.
1. **Common - Grey - Always used when connecting the MOB+ Boat Unit Signal wires.** Connect to green/red wire.
 2. **Open to Stop (OS) - Blue - Used when your existing system needs an open connection to stop as Volvo Penta EVC.**

Connect to green/orange wire.

FELL recommend that you use same type of crimp terminal as on the Volvo Penta cable when installing. This is to avoid breaking in the original Volvo Penta cable. After correct installation has been done the system needs to be autoconfigured. For more information on how to do this, contact your Volvo Penta Dealer.

Installation in a metal boat

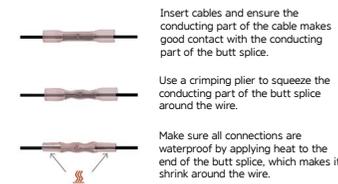
If your helm is made out of conducting materials the wireless signals from MOB+ may be degraded. The amount of signal degradation experienced may vary from across boats and must be tested for each case. If the signal is very poor you can install a separate external antenna outside of your helm to increase the signal strength. Please contact FELL support at www.fellmarine.com/support for more information.

Autoconfiguration for EVC-D & EVC-E

If a kill switch has not previously been connected to your system, an Autoconfiguration needs to be done. The below illustration shows how to do this on EVC-D and EVC-E. The MOB+ Must be connected and active while doing the auto configuration.

NOTE

Make sure that all wire connections are waterproof by using heat shrinkable butt splices or similar when connecting wires.



EVC-D

In EVC-D there is an existing cable with part number 21469024, already fitted to the AKI unit. This cable can be connected in the same way as shown in "Connection signal wires". See illustration on right showing the cable.

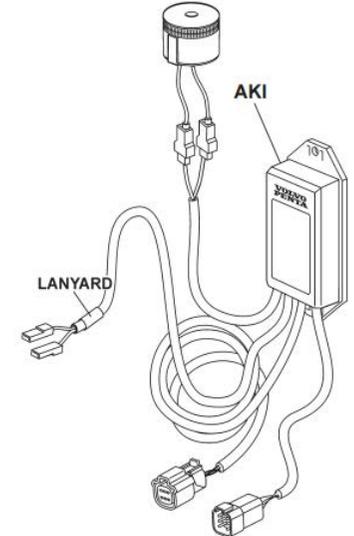
EVC-E

EVC-E with single engine uses a cable with part number 21693206. This is the cable illustrated in "Connection signal wires".

EVC-E Twin

EVC-E with twin engines uses a cable with part number 21693206. This cable can be connected in the same way as shown in "Connection signal wires", except that there are two connectors to HCU.

EVC-D Cable Illustration



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