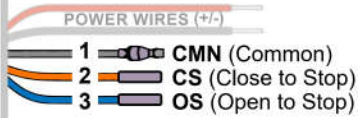


WIRING SECTION

CONNECTING KILL SWITCH SIGNAL WIRES

MOBP17016

MOB+ xHUB has three kill switch signal wires. **Only two of the three wires should be used.** Connect the two signal wires to the existing kill switch wires in your boat. Most outboard engines have **Close to Stop (CS)** kill switch system and use **Gray and Orange** wire for connection. See wiring diagram below.



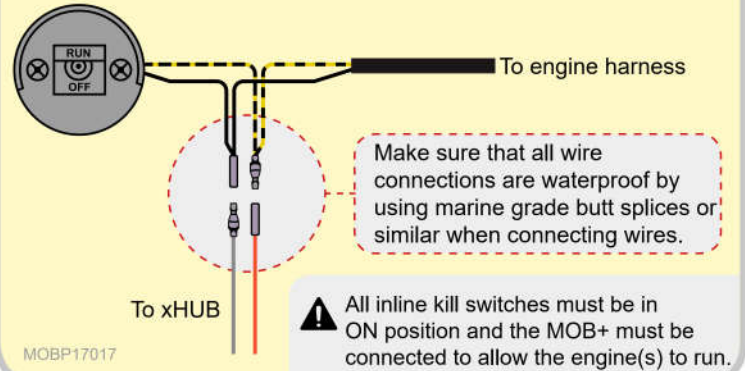
- 1 Common (CMN) - Grey Wire**
Use with Orange or Blue wire
- 2 Close to Stop (CS) - Orange Wire**
Use with Grey Wire
- 3 Open to Stop (OS) - Blue Wire**
Use with Grey Wire

⚠ Kill Switch Relay Max Current Tolerance: 5A continuously

! Before connecting the xHUB Signal Wires, you must verify which kill switch principle is used by your engine manufacturer. See section "CLOSE TO STOP / OPEN TO STOP" below in this manual if applicable. **After installation, verify functionality as in step 3 "Verify Installation" above.**

KEEP EXISTING OR MULTIPLE KILL SWITCH

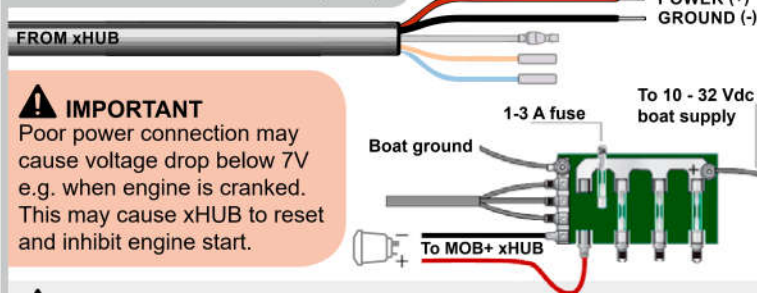
Install the MOB+ inline with your existing kill switch or inline with multiple kill switches by connecting it in parallel (e.g. multiple helm positions with separate kill switches). The below picture shows an example with Close to Stop connection as on Mercury engines.



MOBP17017

CONNECTING POWER (+/-)

MOBP17018



⚠ IMPORTANT

Poor power connection may cause voltage drop below 7V e.g. when engine is cranked. This may cause xHUB to reset and inhibit engine start.

⚠ RECOMMENDED

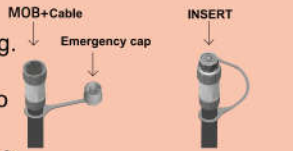
Wire the xHUB to a circuit with a power switch to avoid battery drainage. The xHUB has a power draw of 30mA in idle mode while connected to a power source.

! **Min. Voltage: 7V** - Below this voltage the unit will turn off and you will not be able to start your engine.
Max. Voltage: 32V Do not exceed this voltage because this can damage the MOB+ xHUB and void the warranty.

MECHANICAL SYSTEM OVERRIDE

MOBP17019

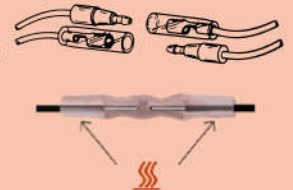
In the unlikely event that the MOB+ System stops functioning. Unplug the xHUB and plug the emergency cap into the cable to be able to drive your boat. The emergency cap is located on the cable supplied with the MOB+ xHUB.



WATERPROOF CONNECTIONS

MOBP17020

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



CLOSE TO STOP / OPEN TO STOP

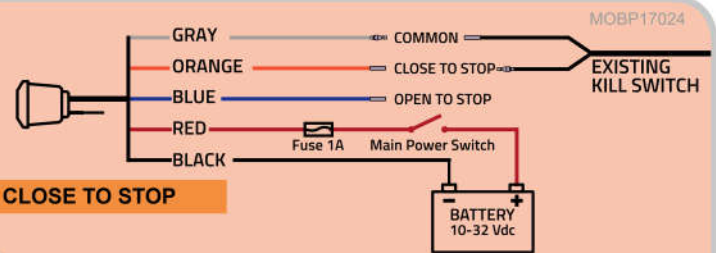
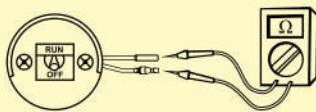
General wiring diagrams showing wiring connections for Close to Stop and Open to Stop kill switch principle.

Testing your kill switch principle

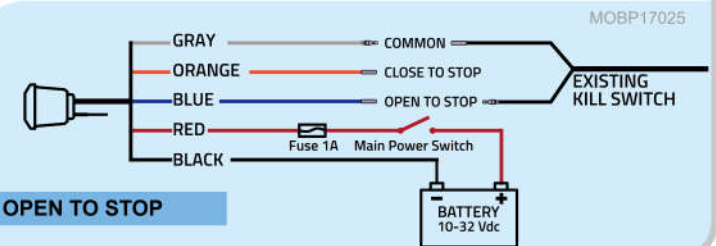
Test the kill switch principle by connecting a multimeter to both cables from the existing mechanical kill switch. Set multimeter to measure resistance and the kill switch is in the position which the engine will not run (cord is not inserted in the mechanical kill switch).

Close to 0 (zero) resistance: Close to stop (CS)

Infinite resistance measured: Open to stop (OS)



CLOSE TO STOP



OPEN TO STOP

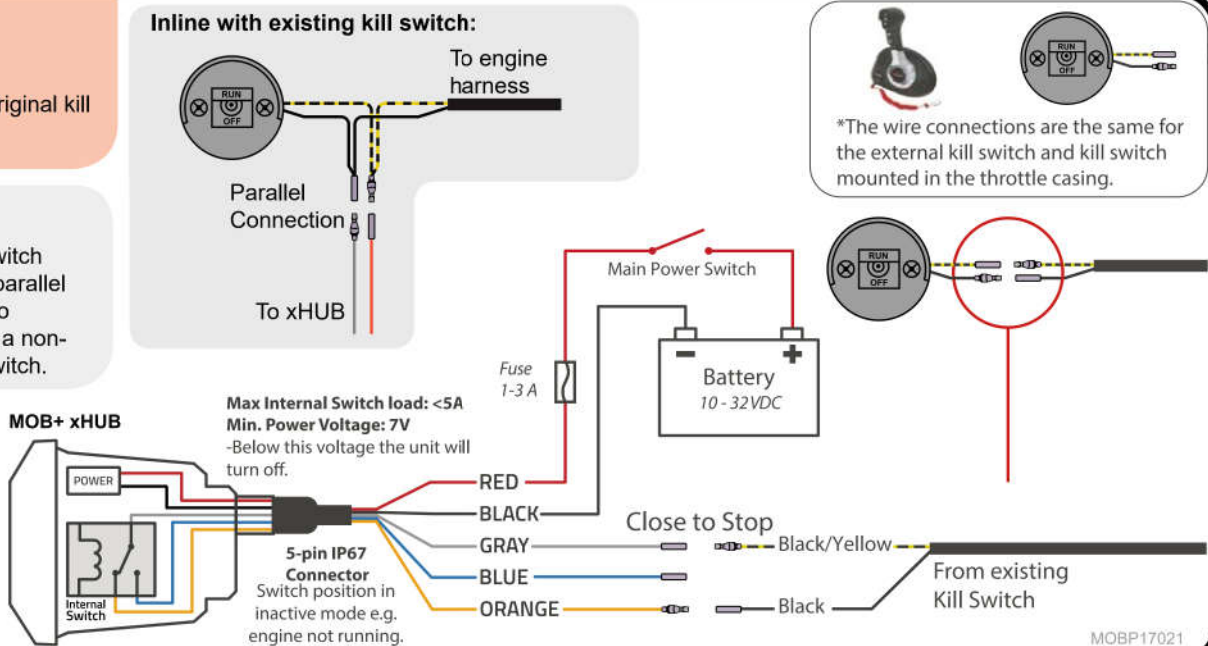
WIRING SECTION

MERCURY

IMPORTANT
Avoid cutting or modifying original kill switch wiring

RECOMMENDED
If keeping mechanical kill switch in place, connect MOB+ in parallel with mechanical kill switch to avoid potential danger from a non-functional mechanical kill switch.

RECOMMENDED
Make sure that all wire connections are waterproof by using marine grade butt splices or similar when connecting wires.

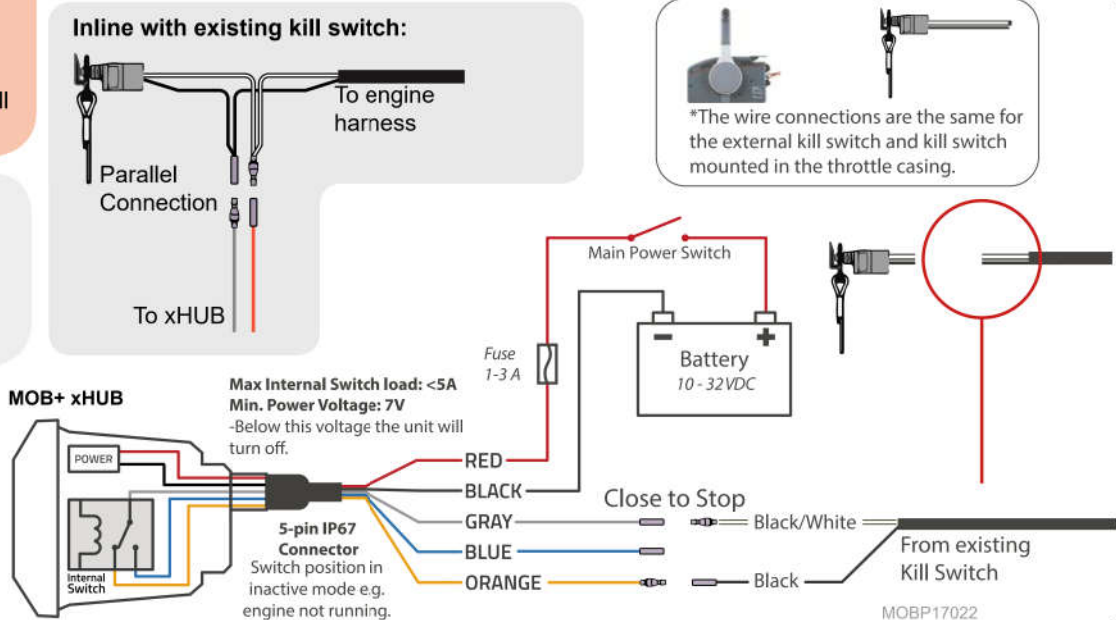


YAMAHA

IMPORTANT
Avoid cutting or modifying original kill switch wiring

RECOMMENDED
If keeping mechanical kill switch in place, connect MOB+ in parallel with mechanical kill switch to avoid potential danger from a non-functional mechanical kill switch.

RECOMMENDED
Make sure that all wire connections are waterproof by using marine grade butt splices or similar when connecting wires.



FOR OTHER ENGINE BRANDS SEE WWW.FELLMARINE.COM/SUPPORT

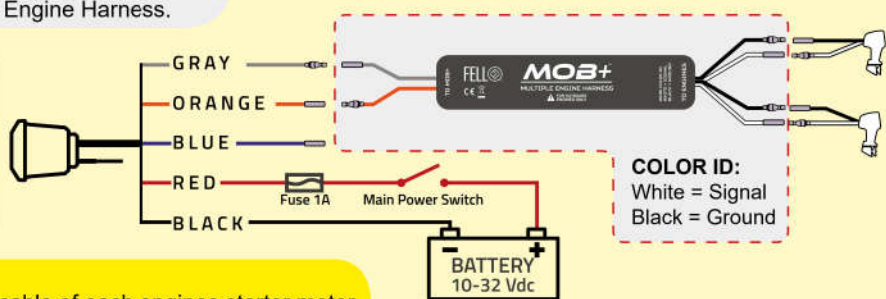
MOB+ MULTIPLE ENGINE HARNESS (MOB+ MEH)

This product is designed to be used in conjunction with the MOB+ xHUB to stop multiple engines simultaneously for multiple outboard installations. The MOB+ xHUB should be installed prior to installation of this Multiple Engine Harness.

Part name: MOB+ Multiple Engine Harness MOBP17023
P/N: (F-A/N): 72.380.401
Availability: FELL Marine dealers and buy.fellmarine.com

IMPORTANT

- WHITE wire on MOB+ MEH is signal wire; each engines signal wire must be connected to the WHITE wire on the MOB+ MEH.
- BLACK wire on the MOB+ MEH is GND wire; each engines GND wire must be connected to the BLACK wire on the MOB+ MEH.
- Connect WHITE and BLACK wires in pairs as bundled on the MEH kit.



CAUTION
For multiple outboard installations, the black (-) battery cable of each engines starter motor ground circuit, **MUST BE** connected to each other by a common circuit (cable) capable of carrying the starting current of each engines starter motor. (i.e. A locally obtained battery cable connected between the negative (-) terminal of each outboards cranking battery.)

*Multiple Engine Harness kit includes User Manual, please read this carefully before installing this product.