

## Volvo XC60 B4 Mild Hybrid 2019 -

**HIGHBEAM  
HIGHBEAM-3  
HIGHBEAM-3R**

The CAN wiring is located in the harness leading to the Green connector at the CEM. The harness can be accessed from under the driver side, looking up.

CAN HI = Grey / Brown

CAN LO = Yellow / Purple

Please ensure that you connect the product to the vehicle CAN Bus wires detailed above.

CANNECT Wire	Product	Wire Connection Point Or Output Function
<b>RED</b>	>	Connect via a 5A fuse to a <b>PERMANENT 12v</b> supply.
<b>BLACK</b>	>	Connect to a good chassis <b>GROUND</b> point.
<b>WHITE</b>	>	CAN HI Connection : Vehicle <b>CAN HI</b> wire.
<b>BLUE</b>	>	CAN LO Connection : Vehicle <b>CAN LO</b> wire.
<b>GREEN</b>	HIGHBEAM-3	Side Lights Output : 12v (1A max) when the side lights are active.
	HIGHBEAM-3R	High Beam Output : 12v (1A max) when the high beam is active.
<b>PURPLE</b>	HIGHBEAM	High Beam Output : 12v (1A max) when the high beam is active.
	HIGHBEAM-3 HIGHBEAM-3R	Ignition On Output : 12v (1A max) when the ignition is switched on.
<b>BROWN</b>	HIGHBEAM-3	High Beam Output : 12v (1A max) when the high beam is active.
	HIGHBEAM-3R	Reverse Output : 12v (1A max) when reverse gear is selected.

Some outputs may be unavailable due to the specification of the subject vehicle. The output wires listed above may not be featured on all interfaces. Wiring details correspond to our standard range of interfaces. For bespoke software, please refer to the specific instructions provided with your unit.

### Installation Testing

#### Connect the interface to the plug-in wiring harness and turn the vehicle's ignition 'on'

The CANNECT interface switches on automatically when CAN activity is detected. The interface has an LED status indicator next to the connection plug, which will illuminate GREEN when valid CAN data has been identified by the interface. When the vehicle is moving, the GREEN LED will flash to indicate that CAN Bus speed information is being processed.

If the LED indicator is illuminated RED for more than 10 seconds, the interface is functioning but cannot identify the vehicle. It is very important that the interface is only connected to the vehicle CAN Bus wiring at the connection point location detailed at the top of the page. If the LED remains solid RED, please disconnect and re-connect the unit from the harness with the ignition on.

If the LED fails to illuminate or flash, there is a power connection problem - recheck the connections. If the LED flashes RED continuously, the interface is powered but is not reading CAN data. Check the interface CAN HI and CAN LO connections are the correct way around. Also check that these wires are connected to the CAN Bus wires as detailed above.

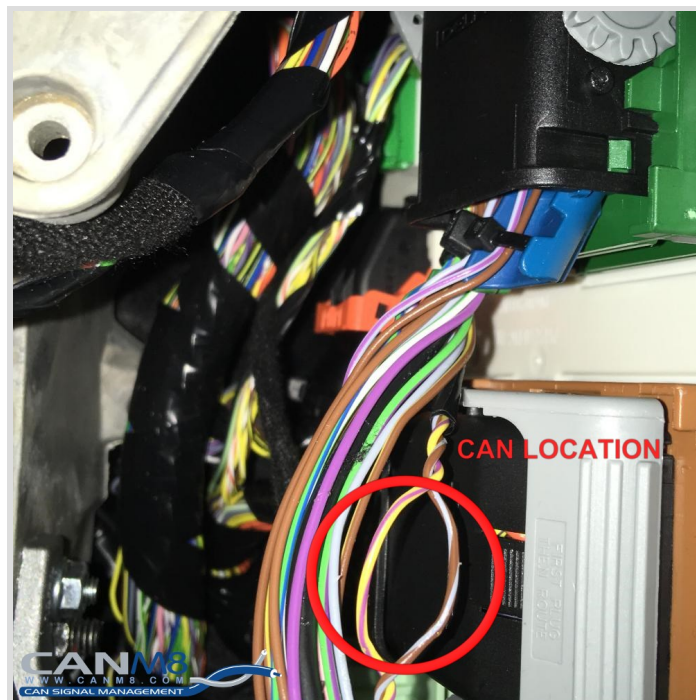
The CANNECT interface automatically switches off when the vehicle CAN Bus is inactive. This can be tested by removing the keys from the ignition, closing all vehicle doors and switching all auxilliary equipment 'off'. The interface LED should extinguish within 60 seconds.



Volvo XC60 Mild Hybrid



Dash example



CAN Wiring (image is from below)