

MOKE®	Name of Vehicle Manufacturer	Vehicle Model	Production Date
	MOKE	MOKE BEV	MY26
	Type Of Bodywork	Version	
	AF	LHD, RHD	
INSTALLATION DOCUMENT FOR ALCOHOL INTERLOCK			

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Change Table

Ver.	Change Content	Author	Date Released	Next Review
01	Initial populated requirements for fitment of CAN based interlock device	SM	31/07/26	24/08/26
02	Installation instructions updated	SM	03/09/26	26/08/26

1. Vehicle information



VEHICLE CATEGORY: Car

MAKE/BRAND: MOKE

MODEL: MOKE BEV

YEAR: MY26

2. Purpose

This document provides additional information regarding the installation of Dräger Interlock model listed below into the specific vehicle/s. It is only valid in combination with the general installation instructions provided by Dräger (e.g. English version PN 9300322)

3. Scope

The Moke electric vehicle is designed to operate with an Alcohol Interlock device whose operation is in line with Input / Output Interface Requirement (per EN 50436-7:2024 Annex C, connection option/item 3c – Data bus connection): Connection to an internal data bus of the vehicle, for information exchange between the vehicle and the alcohol interlock.

A Data bus Type Alcohol Interlock communicates with the vehicle via a digital data bus; typically, CAN bus to exchange signals such as:

- Vehicle ready/active signals (terminal 15/ignition ON)
- propulsion enabled / vehicle movement

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- Start enable / start permit
- Tamper or fault-status information

The Alcohol Interlock Device transmits the Start Permit status digitally to the VCU via CAN. The VCU is configured to inhibit vehicle drive operation until a valid non-blocking Start Permit message has been received and validated, consistent with the “EN 50436-7:2024 Annex C, connection option/item 3c – Data bus connection” behaviour.

Once the vehicle is in operation, the Alcohol Interlock Device does not interrupt vehicle operation or influence the running traction motor. Receipt of blocking information following a missed or failed retest does not result in immediate torque interruption or vehicle shutdown. Normal Alcohol Interlock operation does not result in vehicle fault codes, diagnostic messages, or driver warnings being stored or displayed.

Communication between the vehicle and the Alcohol Interlock Device is implemented in accordance with EN 50436-4:2022.

MOKE electric vehicle has been developed to work with the **Dräger Interlock® 7500 DVI Alcohol Ignition Interlock Device** shown in the figure below.

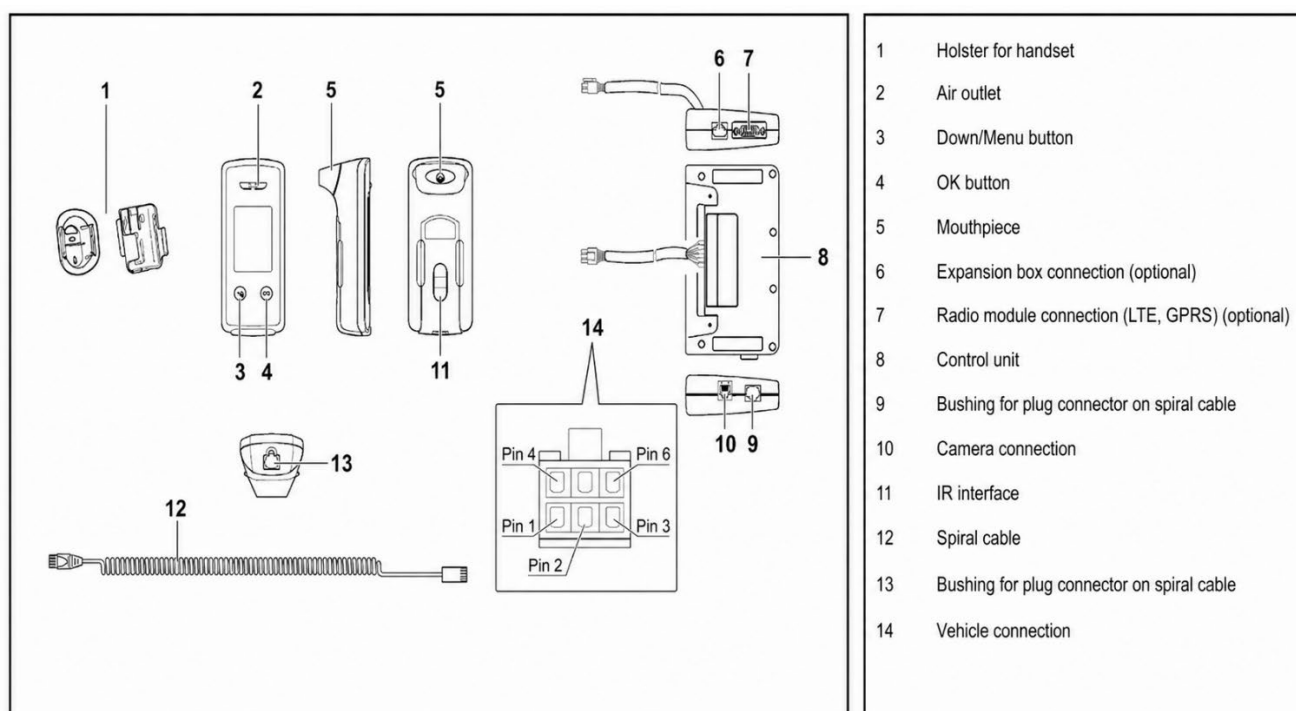


Figure 1 Dräger Interlock® 7500 DVI

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4. Safety risks:

Before and during the installation:

- De-Activate the vehicle HV according to the manufacturer's instructions (MK-ENG-01-005).
- Disconnect the 12 V auxiliary battery negative (earth) terminal before commencing any installation or maintenance work to prevent electrical short circuits and unintended activation of the high-voltage system.
- Do not use terminal strips for electrical connections. Use approved automotive-grade connectors and crimp terminals only.
- All electrical connections should be clean, secure, and mechanically reliable to minimize the risk of arcing, overheating, or fire.
- Establish the ground connection first and verify continuity before connecting any other terminals to prevent potential control unit or circuit damage.
- When removing or handling the dashboard panel, care shall be taken to avoid any damage or scratching to interior components, trim, or upholstery.
- This instruction is valid for MOKE BEV!

5. Special required parts:

Plastic pry tool; solder iron; crimping pliers; electrical tape; Heat shrink tubing, socket wrench, wire strippers.



IMPORTANT! It is essential to follow the instructions provided in this document closely. This vehicle may require additional hardware listed above to be added during installation. Failure to follow the instructions provided may cause the vehicle to malfunction and traffic hazardous situations may occur! If you, as an installer, cannot complete the installation as instructed, DO NOT CONTINUE!

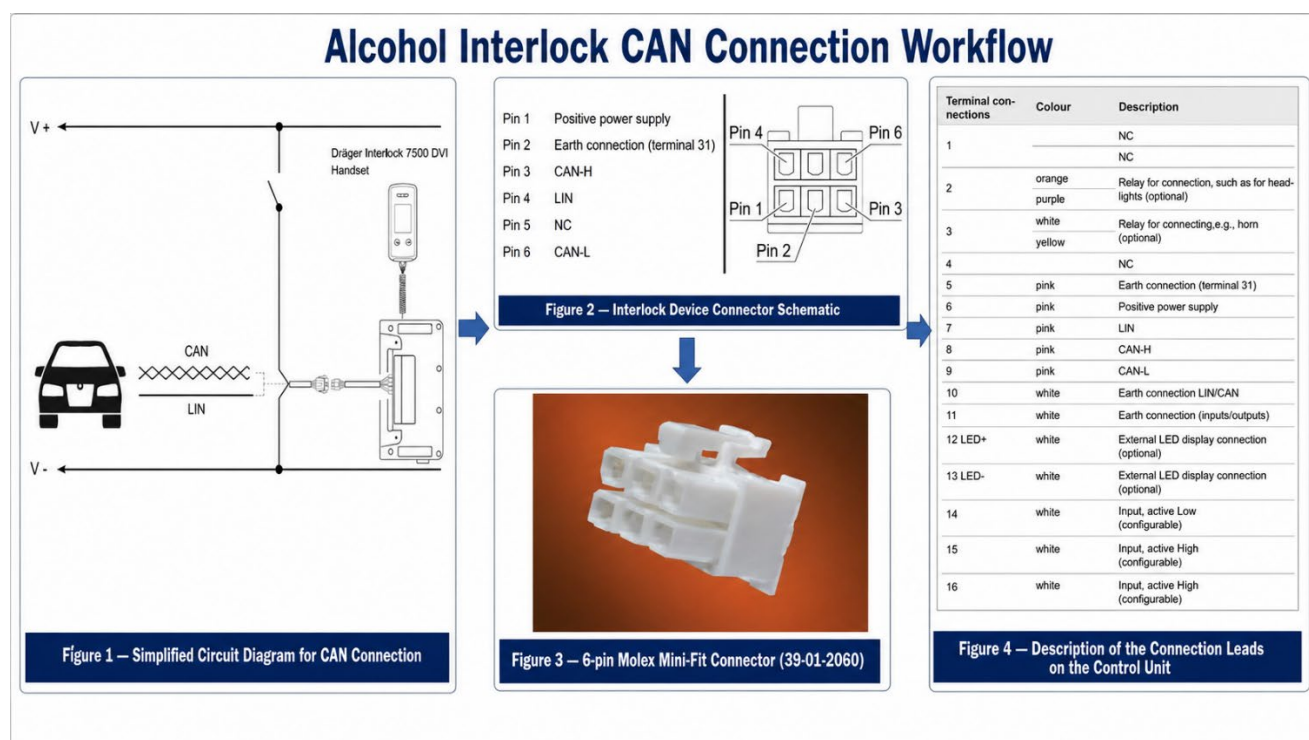
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6. Procedure

6.1 Cable connections:

The Dräger alcohol interlock device is supplied with a control box and handset. Locate the connector on the control box as shown in the image below.



6.2 Wiring Instructions

Locate the alcohol interlock module connector on the cabin wiring harness. The connector is positioned within the cavity behind the OBD port, as shown in the images below.

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Figure 2 Alcohol Interlock Module Connector



Figure 3 Alcohol Interlock Module Connector

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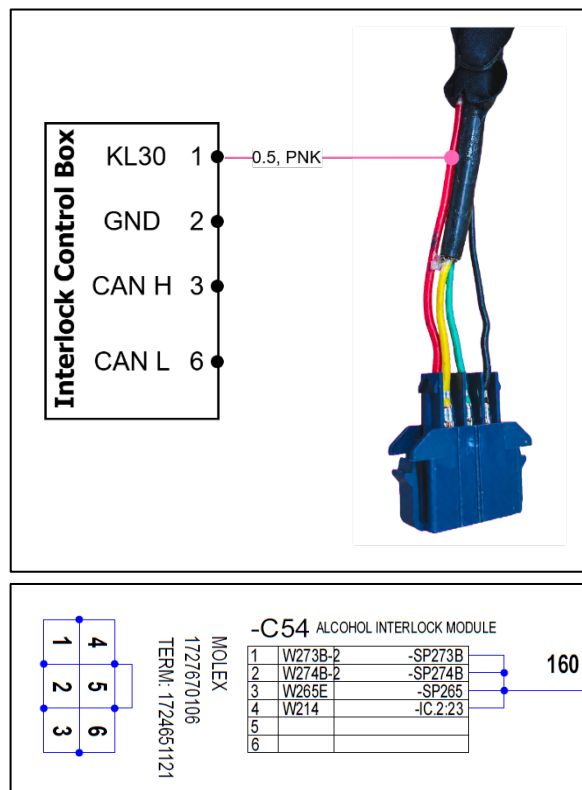
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Type: 12V Constant (terminal +30)

Wire Colour: Red

Polarity: +

Location: Terminal 30 - 12V: Connect the PINK wire from Pin 1 of the Alcohol Interlock control unit connector in parallel to the RED wire at connector C54. Connector C54 is located behind the OBD port in the centre console, on the cabin harness branch labelled "Alcohol Interlock Module."

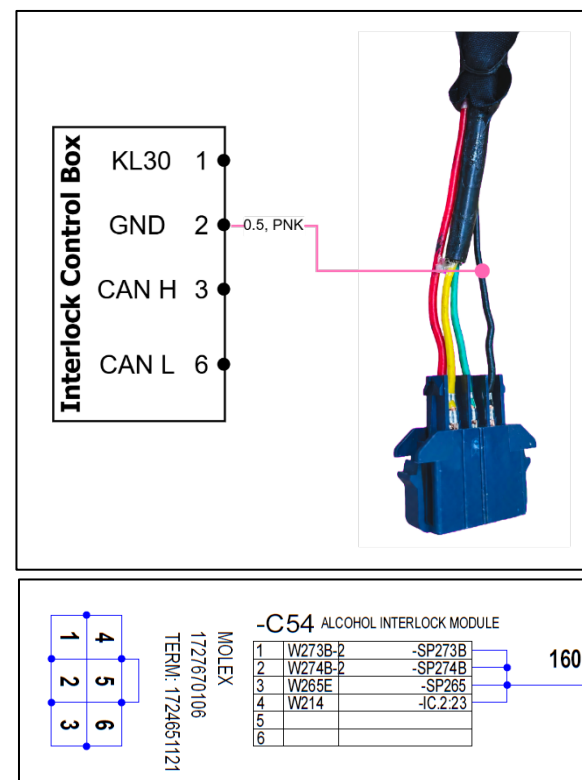


Type: Ground (terminal -31)

Wire Colour: Black

Polarity: -

Location: Terminal 31 - ground: Connect the PINK wire from Pin 2 of the Alcohol Interlock control unit connector in parallel to the BLACK wire at connector C54. Connector C54 is located behind the OBD port in the centre console, on the cabin harness branch labelled "Alcohol Interlock Module."



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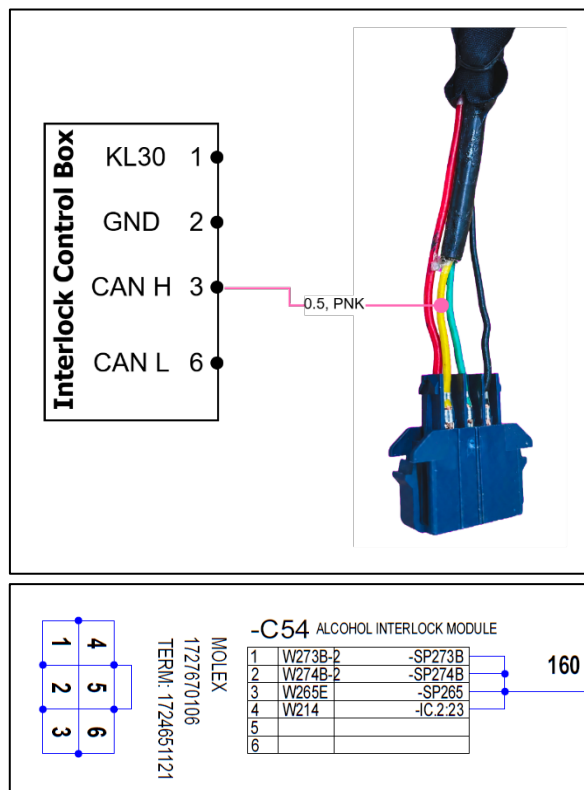
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Type: CAN High

Wire Colour: Yellow

Signal: CAN-H

Location: Connect the PINK wire from Pin 3 of the Alcohol Interlock control unit connector in parallel to the YELLOW wire at connector C54. Connector C54 is located behind the OBD port in the centre console, on the cabin harness branch labelled "Alcohol Interlock Module."

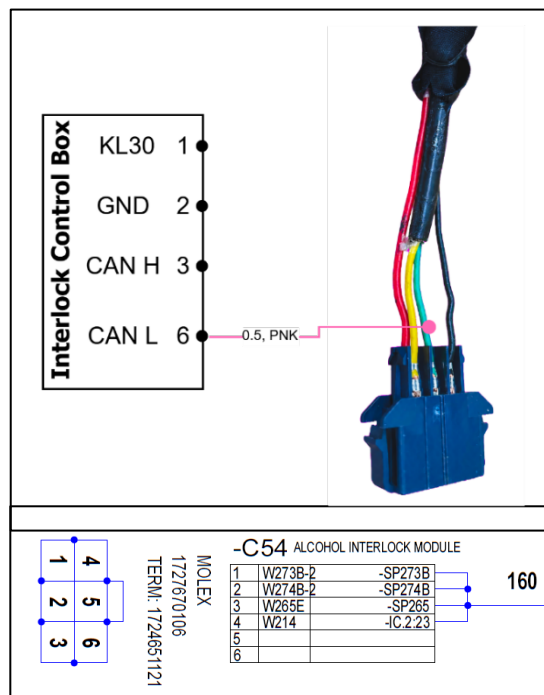


Type: CAN Low

Wire Colour: Green

Signal: CAN-L

Location: Connect the PINK wire from Pin 6 of the Alcohol Interlock control unit connector in parallel to the GREEN wire at connector C54. Connector C54 is located behind the OBD port in the centre console, on the cabin harness branch labelled "Alcohol Interlock Module."



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NOTE: Vehicle-side connector **C54**, labelled “**Alcohol Interlock Module,**” uses the pin configuration shown below. A mating **6-way Molex Mini-Fit connector (39-01-2060)** may be fitted to the Alcohol Interlock control-unit harness, provided the specified pin allocation is maintained. This provides a direct plug-in connection and avoids splicing into the vehicle wiring harness.

Vehicle Connector	Pin	Vehicle Wire	Function
C54	1	Yellow	CAN-H
C54	2	Green	CAN-L
C54	3	Black	Ground, terminal 31
C54	4	Red	Battery supply, terminal 30
C54	5	-	Not assigned
C54	6	-	Not assigned

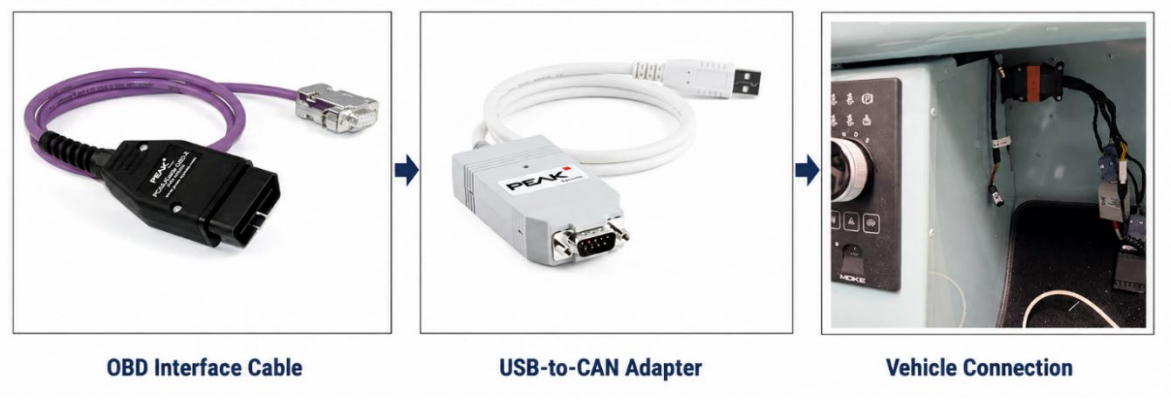
6.3 Vehicle Configuration Update Instructions

After completing the wiring installation, verify that all connections are secure and that the alcohol interlock is ready to be powered. Configure the vehicle to recognise and operate with the newly installed alcohol interlock as follows:

1. Connect a MOKE-approved Vehicle Communication Interface (VCI) to the vehicle’s OBD port. The VCI provides the diagnostic connection between the scan tool and the vehicle’s CAN network.
2. The OBD port is located beneath the dashboard in the front passenger footwell, as shown in the figure.
3. Connect to the vehicle using the MOKE diagnostic scan tool, ‘SimpliScan’ and complete the required alcohol-interlock configuration.

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Configure CAN Alcohol Interlock Using SimpliScan

Before starting:

- Complete the alcohol interlock wiring.
- Leave the alcohol interlock device disconnected.
- Connect a MOKE-approved VCI to the OBD port.
- Power ON the vehicle and open SimpliScan.

- 1 Open the service function**
Select Diagnostics > Service Functions > ALC Interlock Status Writing.
- 2 Select the interlock type**
Open ALC Interlock Status and select CAN Interlock Fitted.
- 3 Write the configuration**
Select Proceed. **Do not power down the vehicle or disconnect the VCI while the configuration is being written.**
- 4 Verify the result**
Confirm that CAN Interlock Fitted remains selected and that ALC Interlock status writing operation success is displayed.

Writing successful?

YES →

✓ YES - Complete the installation

- Exit SimpliScan.
- Disconnect the scan tool and VCI.
- Power down the vehicle.
- Connect the alcohol interlock device.
- Power up the vehicle.

NO →

NO - Check the VCI connection and repeat the configuration.

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7. Vehicle operation

The powertrain remains inhibited until a valid breath sample with an alcohol concentration below the preset limit has been accepted. Any attempt to start the powertrain before successful completion of the breath test does not permit drive activation.



Figure 4 Alcohol Interlock Device Operation

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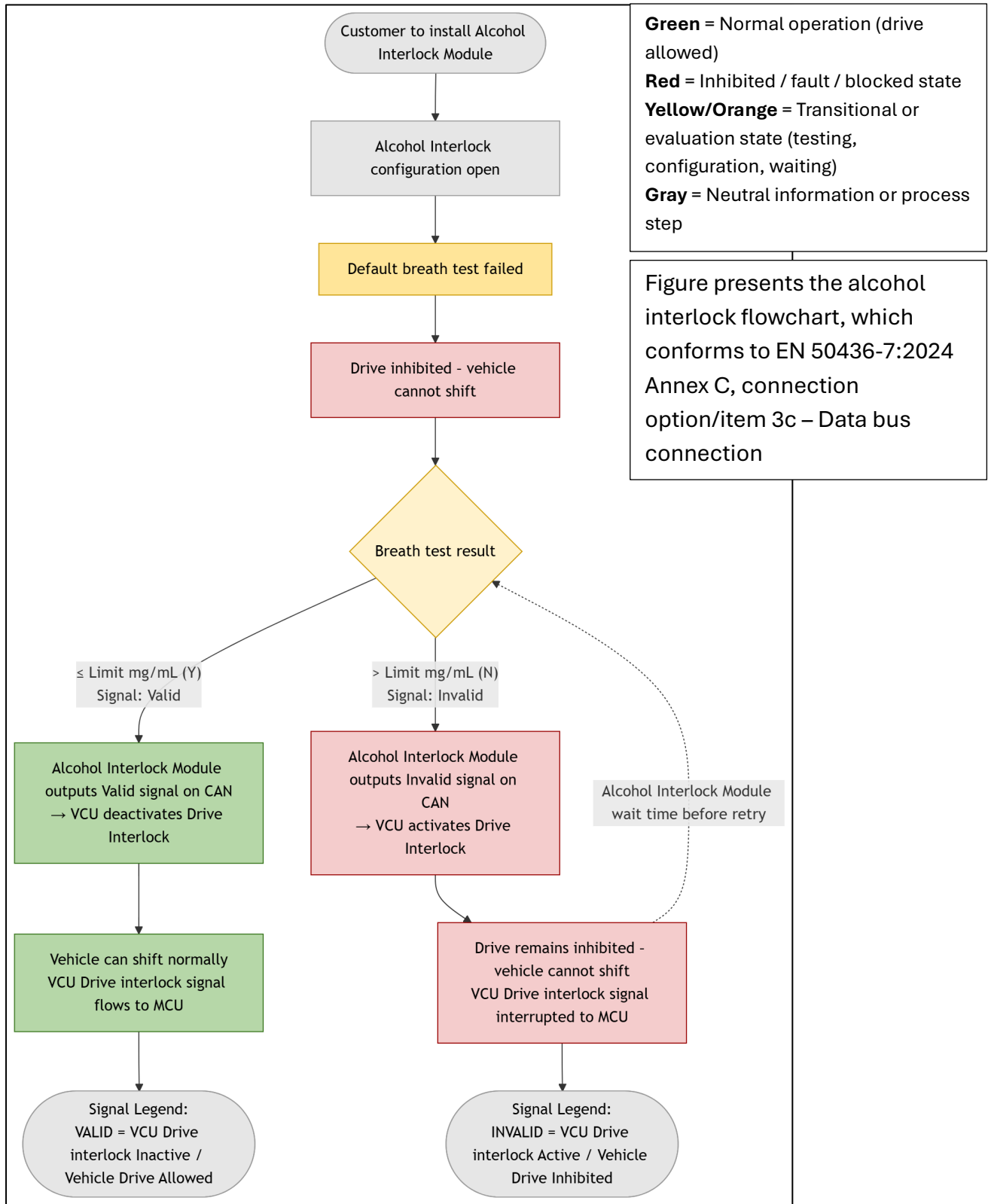


Figure 5 Flowchart CAN based Interlock Device

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7.1 Driver notification

- The default vehicle state shall be **Drive Inhibited**. Drive shall only be permitted following receipt and validation of a valid **non-blocking CAN status** from the Alcohol Interlock device.
- If a drive-gear selection is attempted before the alcohol test has been completed successfully, drive shall remain inhibited and the **“Drive Ready” telltale shall not illuminate**.



7.2 Post-ignition standby mode

After the vehicle is switched off, the alcohol interlock system remains in standby mode for up to 30 minutes. During this period, the system draws a minimal operating current(<1mA) and therefore has no significant impact on the vehicle battery's state of charge (SOC). The device automatically enters sleep mode after approximately 30 minutes of inactivity.

7.3 Additional indications and messages

For detailed information regarding handset displays, control box indicators, or other user prompts, refer to the manufacturer's operating manual of the alcohol interlock device.

8. Mounting position

8.1 Control unit installation location

The Interlock control unit shall be securely mounted behind the dashboard on the front bulkhead within the front passenger area, above the bulkhead fold line and adjacent to the wiper relay.

It shall be securely mounted and protected from mechanical damage, moisture, and excessive vibration.

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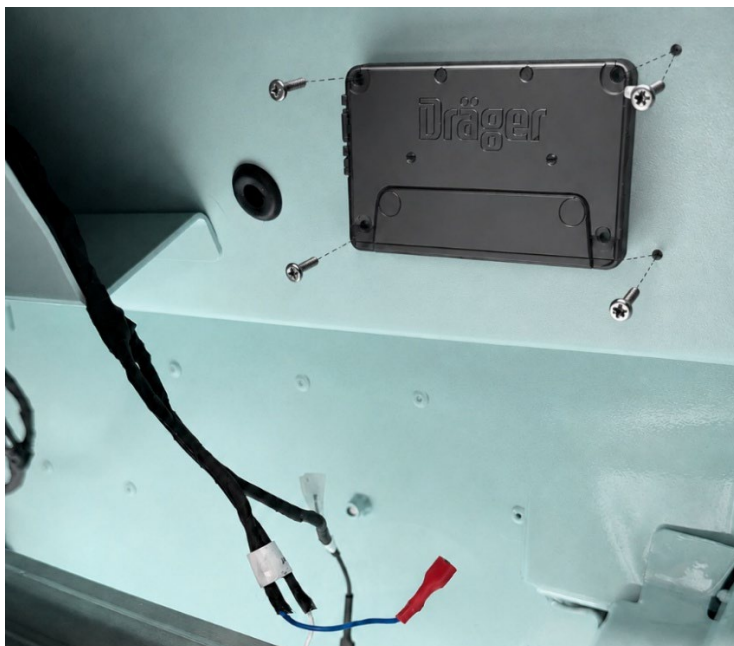


Figure 6 Interlock Unit on Bulkhead

8.2 Handset installation location

The handset shall be installed on the side of the centre console, under the dash in the passenger footwell.



Figure 7 Handset Mounting on Centre Console

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8.3 Control unit & handset mount installation

1. Confirm the control unit installation position behind the dashboard panel or on the front bulkhead adjacent to the wiper relay. Confirm the handset mounting position on the side of the centre console beneath the dashboard in the passenger footwell.
2. Before drilling or installing any fixings, inspect behind both mounting surfaces to ensure that no wiring, connectors, trim clips, airbags, safety-system components, or other vehicle parts could be damaged.
3. Position the control unit and verify that it is protected from mechanical impact, moisture, excessive vibration, and interference with surrounding components or service access.
4. Position the handset mount and confirm that the handset is easily accessible to the driver without obstructing pedal operation, passenger footwell space, trim movement, or access to service panels.
5. Mark the control unit and handset mount fixing positions using the respective components or mounting brackets as templates.
6. Secure the control unit using suitable fixings and ensure that it is rigidly mounted and cannot move during normal vehicle operation.
7. Secure the handset mount to the centre-console side panel using fixings suitable for the trim material. Ensure that the mount remains secure during vehicle vibration and handset removal or refitting.
8. Connect the handset cable to the Alcohol Interlock control unit and route it along existing vehicle harness routes where practical.
9. Secure all wiring using suitable cable ties or clips to prevent movement, pulling, trapping, chafing, or interference with pedals, steering, occupants, moving components, or trim refitment.
10. Refit any removed trim and confirm that the control unit, connectors, and wiring remain secure and accessible for servicing.
11. Verify that the handset docks and releases correctly and that the cable is not subjected to excessive tension.
12. Carry out a final inspection to confirm that the control unit, handset mount, wiring, and connectors are securely installed, minimally obstructive, accessible where required, and clear of airbags and occupant-safety systems.

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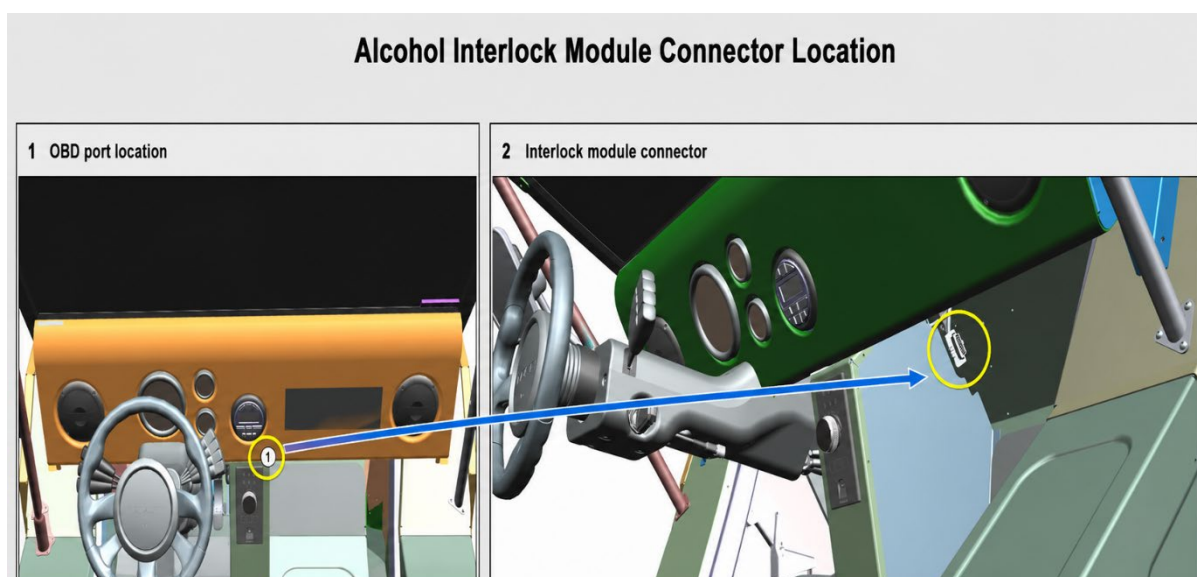


IMPORTANT! Mount the handset securely in a location that provides easy access to the driver, creates minimal obstruction, and does not present a danger to vehicle occupants. Do not place the handset near airbags or in any area where it could interfere with occupant safety systems (e.g. do not place the handset near airbags!)



IMPORTANT! Ensure all screws and clips are refitted to any disassembled panels or interior fittings. Loose components may generate noise and result in customer complaints. Verify that all wiring is securely routed so it cannot interfere with moving parts near the pedal rack or steering column.

9. Further instructions



Overview of installation locations:

1 = Alcohol interlock module connector, Terminal 30 and 31, CAN High, CAN Low

Preparatory work inside:

1. Expose the alcohol interlock module connector

10. Installation assessment

Removing interior parts: easy to medium

Access to vehicle wiring: easy

Fitting and placement of control box: easy

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