

Alcohol interlocks - Test methods and performance requirements - Part 7: Installation document

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NATIONAL FOREWORD

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ICS 43.040.10; 71.040.40

English Version

Alcohol interlocks - Test methods and performance requirements - Part 7: Installation document

Éthylotests antidémarrage - Méthodes d'essais et exigences de performance - Partie 7: Document d'installation

Alkohol-Interlocks - Prüfverfahren und Anforderungen an das Betriebsverhalten - Teil 7: Einbaudokument

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European foreword

This document (EN 50436-7:2016) has been prepared by CLC/BTTF 116-2 "Alcohol Interlocks".

The following dates are fixed:

- latest date by which this document has to be implemented (dop) [2017-10-31]
at national level by publication of an identical
national standard or by endorsement
- latest date by which the national standards conflicting (dow) [2019-10-31]
with this document have to be withdrawn

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Introduction

The purpose of alcohol interlocks is to enhance traffic safety by preventing persons with alcohol concentrations exceeding a set limit value from driving a motor vehicle. EN 50436 series specifies test methods and essential performance requirements for alcohol interlocks and gives guidance for authorities, decision makers, purchasers and users.

There are several ways in which alcohol interlocks may be used:

- installed in a vehicle as a general preventive measure for the promotion of traffic safety, on a voluntary basis or required legally in certain vehicles (e.g. vehicles for children transport); or
- in vehicles as ordered by a court or an administrative authority as part of a drink-driving offender programme; or
- for persons subject to a medical or rehabilitation programme.

Alcohol interlocks are often intended for aftermarket installation. For this purpose, they are connected to the electric and control circuits of the vehicle.

This installation of an alcohol interlock should not interfere with the proper performance of the vehicle, should not impair the safety and security of the vehicle and should be as straightforward as possible. Additionally, the installation costs should be low in relation to the total cost of the alcohol interlock.

Therefore, it is desirable to have a standardized installation document to give the necessary details to the technicians installing an alcohol interlock into a certain vehicle model, even if the responsibility for the safe installation will remain on the alcohol interlock installer.

1 Scope

This European Standard defines the content and the layout of an installation document providing necessary and useful information about the aftermarket installation of an alcohol interlock into a vehicle. It details the type of the vehicle, connection schematics, accessibility instructions and recommendations to avoid safety risks.

The contents and layout ensures that the information document is easy to use for installers in different countries and may be available in paper or electronic format.

This European Standard is applicable to alcohol interlocks according EN 50436-1 and EN 50436-2.

This European Standard is mostly intended for vehicle manufacturers and manufacturers of alcohol interlocks.

This European Standard does not apply to:

- the process of handling the installation documents;
- the installation process;
- information related to education and training for installers;
- general performance requirements for alcohol interlocks (see EN 50436-1 and EN 50436-2);
- the installation of the alcohol interlock during the production of the vehicle.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50436-1:2014, *Alcohol interlocks - Test methods and performance requirements - Part 1: Instruments for drink-driving-offender programs*

EN 50436-2:2014, *Alcohol interlocks - Test methods and performance requirements - Part 2: Instruments having a mouthpiece and measuring breath alcohol for general preventive use*

EN ISO 216, *Writing paper and certain classes of printed matter - Trimmed sizes - A and B series, and indication of machine direction (ISO 216)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

alcohol interlock

device which is normally in the blocking state when installed to prevent the starting of a vehicle engine, and which can be brought into the not-blocking state only after the presentation and analysis of a breath sample with an alcohol concentration below a limit value

NOTE 1 to entry: It normally consists of a handset and a control unit electrically connected to the vehicle.

NOTE 2 to entry: In this European Standard, the expression "starting of the vehicle engine" includes provision of an output signal from the alcohol interlock to the vehicle to enable the starting, operation or movement of the vehicle.

[SOURCE: EN 50436-1:2014, 3.1, modified — 'vehicle motor' is replaced by 'vehicle engine']