

BS ISO 7967-11:2014



BSI Standards Publication

Reciprocating internal combustion engines — Vocabulary of components and systems

Part 11: Fuel systems

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National foreword

This British Standard is the UK implementation of ISO 7967-11:2014.

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A list of organizations represented on this committee can be obtained on request to its secretary.

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**Reciprocating internal combustion
engines — Vocabulary of components
and systems —**

**Part 11:
Fuel systems**

*Moteurs alternatifs à combustion interne — Vocabulaire des
composants et des systèmes —*

Partie 11: Systèmes de carburant





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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: [Foreword — Supplementary information](#).

The committee responsible for this document is ISO/TC 70, *Internal combustion engines*.

ISO 7967 consists of the following parts, under the general title *Reciprocating internal combustion engines — Vocabulary of components and systems*:

- *Part 1: Structure and external covers*
- *Part 2: Main running gear*
- *Part 3: Valves, camshaft drives and actuating mechanisms*
- *Part 4: Pressure charging and air/exhaust gas ducting systems*
- *Part 5: Cooling systems*
- *Part 6: Lubricating systems*
- *Part 7: Governing systems*
- *Part 8: Starting systems*
- *Part 9: Control and monitoring systems*
- *Part 10: Ignition systems*
- *Part 11: Fuel systems*
- *Part 12: Exhaust emission control systems*

Reciprocating internal combustion engines — Vocabulary of components and systems —

Part 11: Fuel systems

1 Scope

This part of ISO 7967 establishes a vocabulary for fuel systems of reciprocating internal combustion engines. Also, in this part of ISO 7967, the terms and the definitions are classified as follows:

- fuel supply system (3.1);
- carburetor (3.2);
- fuel injection system (3.3).

ISO 2710-1 gives a classification of reciprocating internal combustion engines and denotes the basic terms and definitions of such engines and their characteristics.

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.

ISO 7876-1:1990, *Fuel injection equipment — Vocabulary — Part 1: Fuel injection pumps*

ISO 7876-3:1993, *Fuel injection equipment — Vocabulary — Part 3: Unit injectors*

ISO 7876-5, *Fuel injection equipment — Vocabulary — Part 5: Common rail fuel injection system*

3 Terms and definitions

3.1 Fuel supply system

3.1.1

fuel supply system

system which consists of low pressure fuel equipment for delivering fuel from the fuel tank to the high pressure unit for fuel injection to the engine

3.1.2

fuel feed pump

low pressure pump delivering fuel from the tank through one or several filters, to the high-pressure-generating components

[SOURCE: ISO 7876-5:2004, 2.2]

3.1.3

fuel filter

filter to eliminate contamination in the fuel