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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 6809.11-2018

**Reciprocating internal combustion engines -- Vocabulary of
components and systems -- Part 11: Fuel systems**

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Foreword

GB/T 6809 "Reciprocating internal combustion engine parts and systems terminology" consists of the following parts.

- Part 1. Fixings and external covers;
- Part 2. Valves, camshaft drives and drive mechanisms;
- Part 3. Main moving parts;
- Part 4. Supercharged and intake and exhaust pipe systems;
- Part 5. Cooling system;
- Part 6. Lubrication system;
- Part 7. Regulation system;
- Part 8. Starting system;
- Part 9. Monitoring system;
- Part 10. Ignition system;
- Part 11. Fuel system;
- Part 12. Emission control system.

This part is the 11th part of GB/T 6809.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method equivalent to ISO 7967-11.2014 "Reciprocating internal combustion engine parts and systems terminology part 11.

Fuel System".

The documents of our country that have a consistent correspondence with the international

documents referenced in this part are as follows.

GB/T 10826.5-2008 Fuel injection devices - Part 5. Common rail fuel injection system (ISO 7876-5.

2004, IDT)

This section has made the following editorial changes.

--- Added index.

This part was proposed by the China Machinery Industry Federation.

This part is under the jurisdiction of the National Internal Combustion Engine Standardization Technical Committee (SAC/TC177).

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Reciprocating internal combustion engine parts and system terminology

Part 11. Fuel system

1 Scope

This part of GB/T 6809 defines the terminology of the reciprocating internal combustion engine fuel system and classifies the terms and definitions 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 specifies the basic terms and definitions of such engines and their characteristics.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 10826.1-2007 Fuel injection device vocabulary Part 1. Fuel injection pumps (ISO 7876-1..1990, IDT)

GB/T 10826.3-2008 Vocabulary of fuel injection devices - Part 3. Pump nozzles (ISO 7876-3.1993, IDT)

ISO 7876-5 - Fuel injection devices - Vocabulary - Part 5. Common-injection fuel injection system (Fuelinjectionequipment-

Vocabulary-Part 5. Commonrailfuelinjectionsystem)

3.1 Fuel supply system

3.1.1

Fuel supply system fuelsupplysystem

A system consisting of a low pressure fuel unit that delivers fuel from a fuel tank to a high pressure unit of engine fuel injection.

3.1.2

Primary oil pump fuelfeedpump

A low pressure oil pump that delivers fuel from a tank through one or several filters to high pressure components.

[ISO 7876-5.2004, definition 2.2]

3.1.3

Fuel filter fuelfilter

A filter that removes impurities from the fuel.

3.1.4

Starter pump primingpump

A pump that fills the fuel line with fuel when starting.