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CCS T09



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

GB 7258-2017

Replacing GB 7258-2012

**Technical specifications for safety of power-driven vehicles
operating on roads**

机动车运行安全技术条件

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1 Scope

GB 7258-2017 is the Chinese national standard on technical specifications for safety of power-driven vehicles operating on roads, in the field of road vehicles engineering. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 29 September 2017 by the State Administration for Market Regulation;

Standardization Administration of China, and has been in force since 1 January 2018.

Classification: ICS 43.020, CCS T09. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the basic technical requirements on the running safety such as motor vehicle main assembly and safety protection devices, as well as the additional requirements for the fire engines, ambulances, engineering rescue vehicles and police cars and vehicles for handicapped driving. This standard applies to all motor vehicles traveling on the road in China. However, it does not apply to trams and wheeled special purpose mechanical vehicles which are not designed and manufactured for use on the road and mainly for the operation and construction in closed roads and places.

Note. Tram refers to the motor-driven, overhead power supply, track carrying road vehicles.

2 Normative references

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this standard.

GB 811 Helmets for motorcyclists

GB 1589 Limits of dimensions, axle load and masses for motor vehicles, trailers and combination vehicles

GB/T 2408-2008 Plastics - Determination of burning characteristics - Horizontal and vertical test

GB/T 3181 Color standard for paint film

GB 4094 Motor vehicles - Symbols for controls, indicators and tell-tales

GB/T 4094.2 Electric vehicles - Symbols for controls, indicators and tell-tales

GB 4599 Motor vehicle headlamps equipped with filament lamps

GB 4785 Prescription for installation of the external lighting and light- signaling devices for motor vehicles and their trailers

GB 5948 Photometric characteristics of motorcycle headlamps equipped with filament light sources

GB 7956.1 Fire fighting vehicles - Part

3 Terms and definitions

The following terms and definitions apply to this document.

4.1 Vehicle mark

4.1.1 The motor vehicle shall be fitted with at least one permanent mark which is suitable for the brand of the vehicle on the visible part of the outer surface of the front part of the vehicle body.

4.1.2 The motor vehicle shall be equipped with at least one product nameplate which can be permanently maintained. The nameplate shall be fixed, positioned and in the type in line with the provisions of GB/T 18411. If the nameplate of the product is in the form a label, the label shall comply with the general performance, anti-tamper performance and security performance requirements as specified in GB/T 25978 for the label. Modified vehicles shall also have modified vehicle product nameplate and pre-modified vehicle (or chassis) product nameplate.

4.1.3 Motor vehicles, motorcycle and moped, trailers shall have a unique vehicle identification number, its content and composition shall be consistent with the provisions of GB 16735; there shall be at least one vehicle identification number engraved on the frame (or on the main load bearing removable part of the body of frameless power-driven vehicle) at a place able to prevent corrosion or abrasion. Passenger car's vehicle identification number shall be engraved on the vehicle structural part within the engine compartment which cannot be replaced, or otherwise on the door pillar. If there is no engraving space due to structural limit, it may also be engraved on the other vehicle structures at right side, except for the luggage compartment. For goods vehicle with a total mass greater than or equal to 12000 kg, special motor vehicles modified from goods vehicle chassis, and all draw-bar trailers, the vehicle identification number shall be engraved on the outside of the front longitudinal beam of the longitudinal centerline of the right front wheel, or otherwise on the outside of the longitudinal beam near the longitudinal centerline of the right front wheel due to structural limit. For semi-trailers and center axle trailers, the vehicle identification number shall be engraved on the outside of the front longitudinal beam of the right front strut (except for those without longitudinal girder). The vehicle identification number of other motor vehicles and longitudinal beam-free trailer, the product identification codes (or vehicle identification numbers) for wheeled mobile machinery for special purposes shall be engraved on the structural part at right front of vehicle, or on other vehicle structural parts if restricted by structure. For other power-driven vehicles (except for motorcycles and mopeds), it shall engrave the vehicle model and exit-factory number at the corresponding eye-catching position, with the model in front of the exit-factory number, at both ends of the exit-factory number shall be engraved with the start and end marks. Parts engraved with a vehicle identification number (or product identification code, complete vehicle model and

serial number) shall not be ground, cut and repaired, cushioned, chipped, repainted (except for the painting technology used to protect the engraved vehicle identification number during design and manufacture), there shall not be any covering on the surface of a sufficiently large area around the engraved area; if there is a covering, the surface of the covering shall be clearly marked with "vehicle identification number" or "VIN", and the covering can be directly removed (or uncovered) and restored without using any special tools, to easily observe a surface that is large enough to include the engraved area.

Engraved vehicle identification number (or product identification code, vehicle model and serial number) from above (front) side shall be easy for observation and rubbing; for motor vehicles and trailers, it shall also be able to be photographed. The height of the letter and number of the engraved vehicle identification number shall be greater than or equal to

7.0 mm, the depth shall be greater than or equal to

0.3 mm (for passenger cars and enclosed goods vehicles having a total mass of less than or equal to 3500 kg, the depth shall be greater than or equal to

0.2 mm), but the motorcycle and moped word height shall be greater than or equal to

5.0 mm, the depth shall be greater than or equal to

0.2 mm. Engraved vehicle model and exit-factory number height shall be

10.0 mm, depth shall be greater than or equal to

0.3 mm. The total length of engraved vehicle identification number (or product identification code, complete vehicle model and serial number) shall be less than or equal to 200 mm, the font and size of the letter and number shall be the same (except for the vehicle identification number engraved in different parts); when there is start and end marks at both ends of the engraved vehicle identification number, the space between the start and end marks and the letter and number shall be close and uniform. Vehicle identification number (or product identification code, vehicle model and exit-factory serial number) shall not be changed or altered after being engraved, except for the re-marking or change as specified in GB 16735. On the frame of the same power-driven vehicle (or on the unremovable parts of the vehicle body which are mainly for load bearing purposes for the frameless power-driven vehicles), it shall not engrave both the vehicle identification number (or product identification code) and the vehicle model and serial number at the same time. All vehicle identification numbers on the same vehicles shall be the same. Note

1. Surfaces of a sufficiently large area around the engraving area (a surface large enough to include engraving areas) refer to the entire surface of the part on which the vehicle identification number is engraved; however, if the exposed surface is capable of satisfying the requirements for checking whether components marked with a vehicle identification number are cut and repaired, re-welded, and so on, it shall also be considered to meet the requirements. Note