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

**中华人民共和国国家标准**

GB 11566-2009

Replace GB 11566-1995

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**External projections for passenger car  
乘用车外部凸出物**

**Issued on September 30, 2009**

**Implemented on January 01, 2011**

**Issued by General Administration of Quality Supervision, Inspection and  
Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of China**

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## Foreword

**All the technical contents in this Standard are mandatory requirements.**

This Standard replaces GB 11566—1995 *External Projections for Passenger Car*.

Relevant clause of Economic Commission for Europe ECE R26 Regulation (Series 03, Edition 2007) *Unified Provisions for Vehicle Certification with Respect to External Projections* (French Edition) is adopted for modification of technical content in this Standard and comparison table on chapter and article number between this Standard and ECE R26 Regulation is listed in Annex A.

Considering our country's status, the following modifications are made in this Standard when adopting ECE R26 Regulation:

— According to the average height of population in our nation, “2 m” under 4.1, 5.17.1 is changed to “1.8 m” in this Standard.

— Normative references is added;

— The following chapters and annexes with respect to certification in ECE R26 are deleted due to difference in form of standard system and legal system: Chapter 3 “Certification Application”, Chapter 4 “Certification”, Chapter 7 “Change and Extension of Vehicle Type Certification”, Chapter 8 “Conformity of Production”, Chapter 9 “Punishment for Nonconformity of Production”, Chapter 10 “Formal Production Suspension”, Chapter 11 “Name and Address of Certification and Test Department and Government Department”, Chapter 12 “Transition Provisions”, Annex 1 “Notification”, Annex 2 “Example of Arrangement of Certification Mark”, Annex 4 “Notification”.

In order to be convenient, the following editorial modifications are made in ECE R26 Regulation:

— cm is changed to mm, and daN is changed into N;

— "This Regulation" is changed to "This Standard";

— Graphical representation in GB 11566—1995 is adopted in Annex B;

— The informative Annex A is added.

Main differences between this Standard and GB 11566-1995 are:

— The title is changed from “Car” to “Passenger Car”;

- Scope of application is changed from “Car” to “M<sub>1</sub> Car” (Chapter 1 in this Standard);
- Type of vehicle, corner radius, size of projections, and definition of antenna are added (3.1, 3.4, 3.7, 3.9 in this edition);
- Technical requirements for bumper is changed (5.5.2 in this edition);
- Scope of edge of metal sheets that shall meet requirements is adjusted (5.8 in this edition);
- Height of projecting portion on antenna base and corresponding technical requirements are changed (5.17.4 in this edition);
- Technical requirements which are not easy to be recognized and shall be met by antenna base are added (5.17.4.1 and 5.17.4.2 in this edition);
- Informative Annex A is added (Annex A in this edition);

Annex B of this Standard is normative, while Annex A is informative.

About transition requirements implemented in 5.5.2, 5.17.4.1 and 5.17.4.2 in this Standard:

- a) For the type of vehicle newly certified, this Standard will come into effect from January 1, 2011.
- b) For the type of vehicle under production, this Standard will come into effect from January 1, 2012.

This Standard is proposed by National Development and Reform Commission.

This Standard is under the jurisdiction of National Technical Committee for Auto Standardization.

This Standard is drafted by: Dongfeng Peugeot Citroen Automobile Company, Ltd, Dongfeng Motor Corporation, National Automobile Quality Supervision and Inspection Center (Xiangfan), Zhengzhou Nissan Automobile Co., Ltd.

The main drafters of this Standard are: Wang Yan, Hou Cuihua, Huang Xiaomei, Wang Yumin.

The issuances of previous versions of the standards replaced by this Standard are as follows:

- GB 11566—1989, GB 11566—1995.

# External projections for passenger car

## 1 Scope

This standard specifies the general requirements, special requirements and testing methods for category M<sub>1</sub> vehicles in GB/T 15089-2001.

This standard applies to external projections of category M<sub>1</sub> vehicles.

This standard is valid both when the vehicle is stationary and in motion, however, it does not apply to exterior rear view mirrors or to the ball of towing devices.

## 2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 15089-2001 Classification of power-driven vehicles and trailers

## 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions shall apply.

### 3.1

#### **Vehicle type**

means a category of motor vehicles which do not differ in such essential respect as, shape or materials of the external surface

### 3.2

#### **External surface**

means the outside of the vehicle and including the bonnet, the lid of the luggage compartment, the doors, the wings, the roof, the lighting and light-signalling devices and the visible strengthening components

### 3.3

#### **Floor line**

means the line determined as follows:

Successively position round a laden vehicle a cone with a vertical axis the height of which



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