

ICS 43.180  
R 80



**中华人民共和国国家标准**  
**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA**

**GB 38900-2020**  
Replaces GB 21861-2014, GB 18565-2016

---

**Items and Methods for Safety Technology Inspection of  
Motor Vehicles**  
**机动车安全技术检验项目和方法**

Issued on 2020-05-26

Implemented on 2021-01-01

---

Jointly Issued by  
State Administration for Market Regulation of the People's Republic of China &  
Standardization Administration of the People's Republic of China

## CONTENTS

|   |    |
|---|----|
| Foreword .....  | II |
| 1 Scope .....   | 1  |
| 2 Normative References .....  | 1  |
| 3 Terms, Definitions and Abbreviations .....  | 1  |
| 4 Inspection Items .....  | 2  |
| 5 Inspection Methods .....  | 10 |
| 6 Inspection Requirements .....   | 16 |
| 7 Determination and Treatment of Inspection Results, and Data Archiving .....                     | 33 |
| 8 Transitional Requirements for the Implementation of This Standard .....                         | 34 |
| Annex A (Informative) Motor Vehicle Safety Technology Inspection Process .....                    | 35 |
| Annex B (Normative) Measurement of Overall Dimensions .....                                       | 36 |
| Annex C (Normative) Measurement of Kerb Mass/Unladen Mass .....                                   | 38 |
| Annex D (Normative) Inspection of Braking Performance.....  | 39 |
| Annex E (Normative) Headlamp Inspection .....   | 42 |
| Annex F (Normative) Inspection of Lateral Sideslip Distance of Steered Wheel .....                | 46 |
| Annex G (Normative) Motor Vehicle Safety Technology Inspection Report (Template) .....            | 47 |
| Annex H (Normative) Motor Vehicle Safety Technology Inspection Sheet (Manual Inspection) .....    | 50 |
| Annex I (Normative) Motor Vehicle Safety Technology Inspection Sheet (Apparatus Inspection) ..... | 53 |
| Bibliography .....  | 62 |

www.chinaautorepair.com

# Items and Methods for Safety Technology Inspection of Motor Vehicles

## 1 SCOPE

This standard specifies the inspection items, inspection methods, inspection requirements, as well as determination and treatment of inspection results, and data archiving, with respect to safety technology inspection of motor vehicles.

This standard applies to the safety technology inspections carried out on motor vehicles by the organizations with qualifications for inspection/testing. This standard also applies to the safety technology inspections carried out on imported motor vehicles by the organizations engaged in inspection/testing of imported motor vehicles. Motor vehicles subject to real road test and those for temporary entry as approved may be subjected to safety technology inspection by reference to this standard.

This standard doesn't apply to safety technology inspection for the tractors operating on roads, e.g. tractor towing trailer for transportation.

## 2 NORMATIVE REFERENCES

The following referenced documents are indispensable for the application of this document. For dated references, only the editions cited apply. For undated references, the latest editions of the normative document (including any amendments) apply.

GB 1589 Limits of Dimensions, Axle Load and Masses for Road Vehicles

GB/T 3730.2 Road vehicle-Masses-Vocabulary and codes

GB 4785 Prescription for Installation of the External Lighting and Light-signaling Devices for Motor Vehicles and Their Trailers

GB 7258 Safety Specifications for Motor Vehicles Operating on Roads

GB 7258-2017 Safety Specifications for Motor Vehicles Operating on Roads

GB 11567 Motor vehicles and trailers-lateral and rear underrun protection requirements

GB 13094 The Safety Requirements for Bus Construction

GB 13392 The Vehicle Mark for Road Transportation Dangerous Goods

GB 16735 Road Vehicles - Vehicle Identification Number (VIN)

GB/T 17676 Natural Gas Vehicle and Liquefied Petroleum Gas Vehicle - Identification Marks

GB/T 18284 QR Code

GB 18564.1 Road tanker for dangerous liquid goods transportation – Part 1: Technical requirements of atmospheric pressure metal tank

GB 18564.2 Road tanker for dangerous liquid goods transportation - Part 2: Technical requirements of atmospheric pressure non-metal tank

GB/T 19056 Vehicle Travelling Data Recorder

GB 19151 Warning Triangles for Motor Vehicle

GB 20300 Safety Specifications for Road Transportation Vehicle of Explosive Substance and Chemical Toxic Substance

GB 23254 Retro-reflective markings for trucks and trailers

GB 24315 The Marker for School Bus

GB 24407 The Safety Technique Specifications of Special School

GB 25990 Rear-marking Plates for Vehicles and their Trailers

GB/T 26765 Specifications for Power-driven Vehicle Safety Inspection Business Information

## System and Networking

- GB 34655 Specifications for extinguishing equipment arrangement in bus
- GA 36 License Plate of Motor Vehicle of the People's Republic of China
- GA 802 Types of Motor Vehicle-Terms and Definitions
- GA 804 Special Fixing Device for License Plate of Motor Vehicle
- GA 1186 General Technical Specifications for Monitoring System of Vehicle Safety Inspection

### **3 TERMS, DEFINITIONS AND ABBREVIATIONS**

#### **3.1 Terms and Definitions**

For the purpose of this document, the terms and definitions established in GB 7258 and GA 802 as well as the followings apply.

##### 3.1.1

Safety inspection of unregistered vehicles

the safety technology inspection for the motor vehicles which apply for registration

##### 3.1.2

Safety inspection of in-use vehicles

the safety technology inspection for the motor vehicles which have been registered

##### 3.1.3

Inspection of vehicle identification

the inspection of such characteristics as license plate number and category, vehicle trademark and model, VIN (or vehicle factory number), engine number/drive motor number, vehicle body color and appearance, to verify the identification of test vehicle (hereinafter referred to as "test vehicle")

##### 3.1.4

Inspection of parameters of vehicle characteristics

the inspection of main characteristics and technical parameters of motor vehicles, such as overall dimensions, kerb mass/unladen mass, approved passenger capacity, to verify their compliance with the relevant national standards of motor vehicle safety technology, product announcement, manufacturer's certificate of quality, and vehicle license and other appropriate technical documents

##### 3.1.5

Dynamic inspection of chassis

the inspection of steering, transmission, braking, instruments and indicators of the motor vehicle in operating state to qualitatively judge whether they comply with the operation safety requirements



# ChinaAutoRegs

中国汽车标准译文库

## **The following pages are left blank intentionally.**

- 现成译文，到款即发。
  - 下单前可任取样页验证译文质量。
  - 免费提供正规普通增值税数电发票。
  - 请联系手机/微信: [13306496964](tel:13306496964)/Email: [standardtrans@foxmail.com](mailto:standardtrans@foxmail.com) 获取完整译文。
  - 本英文译本为纯人工专业精翻版本，保证语法术语准确率和专业度！
  - 专业源于专注|ChinaAutoRegs 始终专注于汽车标准翻译领域！
  - 「中国汽车标准译文库」已收录上千个现行汽车国家标准和行业标准的英文版译本，涵盖传统燃油车、新能源汽车和摩托车标准化体系！独家打造千万级汽车专业术语库和记忆库。
  
  - ◆ The English Translation of this document (GB, GB/T, QC/T, CNCA, CQC, CAV, etc.) is readily available, and delivered immediately upon payment.
  - ◆ You may request for sample pages to your preference before placing an order.
  - ◆ Please contact [standardtrans@foxmail.com](mailto:standardtrans@foxmail.com) for the complete PDF version in English.
  - ◆ Almost all of Chinese automotive/automobile standards, regulations and norms in effect have been included in our well-established database, providing one-stop, up-to-date, efficient and professional solution.
-