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**Operating conditions for automobile maintenance and repair  
trade - Part 1: The enterprise for automobile maintenance and  
repair**

汽车维修业经营业务条件 第1部分：汽车整车维修企业

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### 1 Scope

GB/T 16739.1-2023 is the Chinese national standard on operating conditions for automobile maintenance and repair trade - part 1: the enterprise for automobile maintenance and repair, in the field of road vehicles engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 7 September 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 April 2024. Classification: ICS 43.180, CCS R16. 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 document stipulates the organizational management, personnel, facilities and equipment conditions for the enterprise for automobile maintenance and repair. This document applies to the business registration and management of Class I and Class II enterprises for automobile maintenance and repair (hereinafter referred to as

"enterprises").

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the version corresponding to that date is applicable to this document; for undated references, the latest version (including all amendments) is applicable to this document.

GB/T 5624, Motor vehicle maintenance and repair terms

GB/T 18344, Specification for the inspection and maintenance of motor vehicle JT/T 155, Automotive lift JT/T 324, Automotive spray booth JT/T 1132.2, Vehicle maintenance and repair electronic archives system - Part 2. Data collection technical requirements

## 3 Terms and definitions

Terms and definitions determined by GB/T 5624 and the following ones are applicable to this document.

3.1 the enterprise for automobile maintenance and repair Automobile maintenance and repair enterprise which is capable of performing all levels of maintenance, repair and replacement of the entire vehicle, various assemblies and major parts of the model being repaired, so that the technical condition and operating performance of the motor vehicle can be completely (or nearly completely) restored to the original vehicle technical requirements.

3.2 small vehicle Passenger vehicle with an overall length not exceeding 6 m and a number of passengers not more than 9, AND goods vehicle with a maximum design total mass not exceeding 3 500 kg.

3.3 large and medium passenger vehicle Passenger vehicle with an overall length exceeding 6 m or with a number of passengers more than 9.

## 4.1 Basic requirements

4.1.1 A sound organizational management structure shall be established and improved, with management, technology, business, quality, accessories, inspection, archives, equipment, production and safety and environment protection management positions set up and responsible persons assigned.

4.1.2 There shall be currently valid laws, regulations, rules and standards related to automobile maintenance and repair.

## 4.3 Quality management

4.3.1 Automobile maintenance and repair quality commitment, inspection, factory completion certificate management, automobile maintenance and repair file management, measurement management, equipment management, parts management and personnel training systems shall be established and implemented.

#### **4.4 Safety management**

4.4.1 A safety production management system that is suitable for the maintenance and repair work content shall be established and implemented, and corresponding safety protection measures shall be in place.

4.4.2 Safe operating procedures for the use of electromechanical equipment shall be formulated and clearly displayed at the corresponding work stations or equipment.

4.4.5 There shall be an emergency plan for production safety accidents.

#### **4.5 Environmental protection management**

4.5.1 A management system - which meets environmental protection requirements - for centralized collection, classified storage and effective processing of waste oil, waste liquid, exhaust gas, waste water, used batteries, scrap tires, asbestos-containing waste and hazardous waste and for keeping the environment tidy shall be established and implemented.

### **5 Personnel conditions**

5.1 There shall be technical personnel in charge, management personnel for safety production, quality inspection personnel, business reception personnel, and maintenance and repair technicians engaged in machine repair, electrical appliances, sheet metal (body repair) and coating (body coating).

5.2 Technical person in charge shall be familiar with the automobile maintenance and repair business, master automobile maintenance and repair as well as related policies, regulations and technical specifications, have a college degree or above in automobile maintenance and repair or related majors, or have an intermediate or above professional technical title in automobile maintenance and repair or related majors.

5.5 Maintenance and repair technicians engaged in machine repair, electrical appliances, sheet metal and coating shall be familiar with the maintenance and repair technology and operating specifications of the type of work they are engaged in, understand automobile maintenance and repair as well as related policies and regulations, and have a junior high school education background or above.

5.8 Class I enterprises shall be equipped with no less than 2 maintenance and repair technicians each sheet metal and coating; Class II enterprises shall be equipped with no

less than 1 maintenance and repair technician each sheet metal and coating; large and medium passenger vehicle and heavy-duty goods vehicle maintenance enterprises of Class I outsourcing spray booth do not need to be equipped with maintenance and repair technician for sheet metal and coating.

5.11 Enterprises engaged in gas vehicle maintenance and repair shall be equipped with no less than 1 professional maintenance and repair technician who is familiar with the fuel supply system, and can only take up the job after passing the training.

5.12 Enterprises engaged in electric vehicle maintenance and repair shall be equipped with no less than 2 professional maintenance and repair technicians who are familiar with the high-voltage system of electric vehicles, and can only take up the job after passing the training.

5.13 Enterprises with less than 100 employees can be equipped with part-time safety production management personnel.

## **6.1 Reception room (including customer lounge)**

6.1.1 There shall be a reception room. The area of the reception room for Class I enterprises shall not be less than 80 m<sup>2</sup>, and the area of the reception room for Class II enterprises shall not be less than 20 m<sup>2</sup>.

6.1.2 The reception room shall be clean and bright, and shall be provided with facilities for customers to rest.

## **6.2 Parking lot**

6.2.1 The parking lot area of Class I enterprises shall not be less than 200 m<sup>2</sup>, and the parking lot area of Class II enterprises shall not be less than 150 m<sup>2</sup>.

## **6.3 Production plant and site**

6.3.1 The area of the production plant shall be able to meet the work station layout, production process and normal operations of the equipped equipment, and be compatible with its business operations. The area of the production plant of Class I enterprises that are only engaged in the maintenance and repair of single operating item of small vehicle, large and medium passenger vehicle and heavy-duty goods vehicle shall be no less than 800 m<sup>2</sup>, and the area of the production plant of Class II enterprises shall be no less than 200 m<sup>2</sup>.

6.3.5 The floor of the production plant shall be flat and solid.

6.3.6 If there is exhaust gas emission in the debugging workshop or debugging station, an automobile exhaust gas collection and purification device shall be installed.

6.3.7 The coating workshop shall adopt wet grinding and shall be equipped with dedicated