

ICS 65.060  
CCS T54



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

**GB 24943-2010**

---

**Safety signs for tri-wheel vehicles and low-speed goods  
vehicles**

三轮汽车和低速货车用安全标志

**Issued on: August 9, 2010**

**Implemented on: January 1, 2011**

---

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

## Table of Contents

- 1 Scope
- 2 Normative references
- 5 Signs of safety colors and sizes
- 6 Use Principles
- 7 Use of safety signs and typical examples
  - 7.1 Essential safety signs
  - 7.2 Selection of safety signs
- 13 User's Guide 14 read the instructions

### Foreword

The standard Chapter 5, Chapter 6, and

7.1 are mandatory, others are recommended. The standard proposed by China Machinery Industry Federation. The low standard by the National Automotive Standardization Technical Committee (SAC/TC234) centralized. This standard is drafted by: Ziyang South Chun Automobile Co., Ltd., farm vehicles Machinery Industry Development Research Center. Participated in the drafting of this standard. Shandong Shifeng (Group) Co., Ltd., Shandong five levy Group Co., Ltd., Chengdu ace Automotive Group Co., Ltd., Shandong Automobile Co., Ltd. Ling Tang Jun Europe. The main drafters of this standard. Dingji Kang, Zhang Xian Sheng, Lin Lianhua, Wang Xia people, Weng Li, Sheng new car. Three-wheeled vehicles and low-speed vehicles with safety signs

### 1 Scope

GB 24943-2010 is the Chinese national standard on safety signs for tri-wheel vehicles and low-speed goods vehicles, in the field of agriculture. 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 9 August 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 January 2011. Classification: ICS 65.060, CCS T54. 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 role of three-wheeled vehicles and low-speed vehicle safety signs, type, color, use principles. This standard also provides for three Wheel cars and low-speed vehicles at least should use safety signs and typical examples and the like. This standard applies to three-wheeled vehicles and low-speed vehicles (hereinafter referred to as vehicles).

## 2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 10396-2006 agricultural and forestry tractors and machinery, lawn and garden equipment - Safety signs and hazard pictorials - General principles (

ISO 11684.1995, MOD) Role 3 safety signs Safety throughout the vehicle design, manufacture, operation, instructions and inspection process. Under unduly reduce product features, the turn may pass It has been designed to reduce the risk, including through the selection of an appropriate design of the structure to avoid or reduce the risk as much as possible, by reducing operator involvement in the danger zone The need to limit people at risk; through the use of safety devices (guards, safety devices) to avoid or reduce the risk. Although the vehicle has taken appropriate design of the structure and safety guards, but there may still be residual risk, using information (including safety standards Chi) is used to warn the operator about the residual risks and other persons present. Safety signs role is as follows:

- A reminder of the presence or potential danger;
- Indicates danger;
- Description of the nature of risk;
- Explain the consequences of possible danger potential harm;
- How to remind people to avoid the danger.

### 4 types of safety signs

4.1 Safety Signs There are four standard types.

- Symbols and text with a band consisting of two belt safety signs;
- Symbols with graphics and text with a band consisting of three belt safety signs;
- With graphics and text with a belt consisting of two safety signs;
- Consisting of two graphics with two belt safety signs.

## 5 Signs of safety colors and sizes

5.1 contains a degree of safety signs safety signs the word color of each part should meet the requirements in Table 1. Table 1 safety signs various parts of the color Place The degree of risk Danger Warning Note Orange yellow sign with red background The degree of danger signs Words White Black Black Security alert triangle white background Black Red orange yellow exclamation point Graphics with background/graphics for graphic white/black Text with a background/character with text black White White/black Border Red Orange Yellow

5.2 does not contain a degree of safety signs safety signs the word color and other requirements should be consistent with the provisions of GB 10396-2006 in Chapter 9.

5.3 dimensions of safety signs shall comply with GB 10396-2006 in Chapter 10.

## 6 Use Principles

6.1 Safety signs shall be reasonable and against residual risks that may exist, safety signs should not be used to make up for vehicle safety and protective equipment design defects Opposed deletion.

6.2 Safety signs can be used separately, "danger", "warning", "CAUTION" level of risk one flag word mark and the likelihood of risk Risk may cause the relative severity of the consequences.

--- The degree of danger signs word "Danger" indicates if not avoided, will result in critical danger of death or serious injury cases. Away from the danger Flag of the word "danger" to determine the safety signs can not be abused, and only the most severe in the presence of dangerous situations in order to use;

--- The degree of danger signs word "Warning" indicates if not avoided, may result in potentially dangerous situations in death or serious injury. The danger The degree of danger signs word "warning" to determine the degree of risk is determined by the ratio of the word mark "dangerous" risk of causing a risk of injury or death To a lesser extent;

--- The degree of danger signs word "Note" indicates if not avoided, may result in low or moderate injury potentially hazardous situation. "Note Italy "can also be used to alert to avoid harm to people and events related to the non-secure operation.

6.3 Safety signs shall be as close as possible for the dangerous parts, to facilitate the operator to identify safety information indicated by signs.

6.4 safety signs should be distinct, visible, readable, and background color settings at the position obvious contrast, should be protected so that the maximum extent possible It will not be damage and wear, and appropriate long life expectancy.

6.5 safety flag should not be set on a removable vehicle components.

6.6 based on factors such vehicle structure characteristics, uses, use conditions, rational design safety signs, safety signs to make the most efficient pass-through security information. Safety signs should be used in preference to visualize the graphics. Danger graphic design and drawing methods should follow GB 10396-2006 Annex D Principles laid down.

6.7 Safety signs shall be provided on the vehicle. Vehicle operator's manual shall give the use of safety signs icon interpretation in the car Check the vehicle's location and the detailed description of maintenance and replacement issues.

## 7.1 Essential safety signs

7.1.1 Tipper vehicle compartment front portion or the vicinity of the position should be clearly set safety signs. Typical examples of safety signs may be used as shown in Figure 1, The degree of risk compartment can also be used as "warning" safety signs, and with appropriate graphics and text description of danger "; Fig. 2, Fig. 3 or

4 Lifting process, shall not enter the danger zone. Before entering the cabin under maintenance or repairs should be reliable locking locking device (or should be reliable plug security Full locking device; or application security locking means locking hydraulic lifting cylinder). "

7.1.2 reversible cab vehicle equipped, near cab tilting mechanism should be set up safety signs. Typical examples of safety signs may be used Figure 5 or Figure 6; degree of risk may also be used as "warning" safety signs, and with appropriate graphics and text description of the risk of "cab Flip process, shall not enter the danger zone (or keep a safe distance with the vehicle). "

7.1.3 The operator stand near the outside of the vehicle engine can reach evaporation tank mouth or hot surfaces should be set up safety signs. be usable Typical examples of safety signs shown in Figure 8. The degree of risk can also be used as "CAUTION" safety signs and hazard pictorials appropriate description And the words "away from high temperature steam (or hot surfaces)."

7.1.4 the vehicle engine is running or maintenance process, will produce safety guards removed or open dangerous security should Set security on your device or dangerous signs nearby. Typical examples of safety signs may be used as shown in FIG. 9 to 12. It may also be dangerous journey Degree of "Warning" safety signs, and with appropriate graphics and text description of danger "when the engine is running, can not be removed or open security device Home. "

## 7.2 Selection of safety signs