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

**GB/T 7726.1-1998**

Replacing GB/T 7726.1-1998; GB/T 7726.2-1998; GB/T 7726.3-1998; GB/T 7726.4-1998; GB/T 7726.5-1998

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**Mechanical connections of articulated bus  
(English Translation)**

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### Foreword

This standard replaces GB/T 7726.1-1998 "Mechanical connections of articulated bus term", GB/T 7726.2-1998 "Articulated Bus mechanical connection means technical requirements ", GB/T 7726.3-1998" Mechanical connections of articulated bus ball stud " GB/T 7726.4-1998 "Mechanical connections of articulated bus spherical bush" and GB/T 7726.5-1998 "Mechanical articulated bus Retractable awnings connecting means ", as compared with the standard main changes are as follows.

- Each mechanical figure mark, according to the latest standards has been modified;
- Canceled the sealing mechanism, retractable canopy, the middle frame, the shuttle beams, tent poles and outer rear swing value terms (GB/T 7726.1-1998 in 3.6,3.8,3.9 ~ 3.11,3.15);
- Increasing the term turntable (edition 3.6);
- Lateral torsion angle (beta) modified to not less than 3 ° (GB/T 7726.2-1998 in 3.4, this version 4.1.4);
- Turn modify the channel width for the implementation of GB 1589, through the passage to describe the circle (GB/T 7726.2-1998 3.5, edition 4.1.5);
- Cancel Minimum turning diameter requirements (GB/T 7726.2-1998 3.6);
- Increased requirements placed vehicle value (see 4.1.5);
- Retractable awning minimum ground clearance, regardless of city buses and trolley buses and long-distance buses and bus travel, made uniform requirements (GB/T 7726.2-1998 in 3.12.3, this version 4.5.4);
- Canceled the ball stud tolerance testing, precision machining, heat treatment and the appearance of the detection method requires (GB/T 7726.3-1998 in 6.3 to 6.6);
- Canceled retractable canopy number of sampling requirements, to full inspection (GB/T 7726.5-1998 4.2, this version 5.3).

Appendix A of this standard is an informative annex.

This standard was proposed by the National Development and Reform Commission.

This standard by the National Automotive Standardization Technical Committee.

## 1 Scope

This standard specifies the technical requirements and the ball pin, ball bushings, retractable awnings and the like articulated bus ball joint mechanical coupling means major scale Inch, technical requirements and test methods as well as packaging, storage and transport.

This standard applies to the front of the engine (in) opposed articulated bus ball joint mechanical connection means.

## 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/T 191 Packaging - Pictorial signs (GB/T 191-2008, ISO 780:1997, MOD) GB 1589 road vehicles outside dimensions, axle load limits and quality GB/T 1591 high strength low alloy structural steel GB/T 3077 alloy steel GB/T 3273 automobile frames of hot-rolled steel sheet and strip GB/T 4780 Auto Body term Combustion characteristics of automotive interior materials GB 8410 YS/T 545-2006 Bronze ingot casting QC/T 484 car paint coating QC/T 900 automobile product quality inspection and assessment methods

## 3 Terms and Definitions

GB/T 4780 and established the following terms and definitions apply to this standard.

Mechanical connection means comprises a ball joint institutions.

Ball hinge mechanical connection means having to meet two rigid compartments reliable connectivity, and three rotational degrees of freedom of the machine Structure. It mainly consists of ball pin, ball bearing bushing and other component parts.

When articulated bus with straight or turning, are to make the middle frame before the connection is always in the retractable awning, the relative angle of the rear compartment aliquot Mechanism position. It consists of aliquots element (such as a spring or aliquot rod fork lever, etc.), shuttle beams, cylindrical pin or ball pin and balance crane, etc.

composition.

To limit the maximum relative horizontal angle between the front compartment and a rear compartment to ensure that other agencies (such as the sealing mechanism, etc.) from damage