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

中华人民共和国汽车行业标准

QC/T 323-2007

Replace QC/T 323-1999, QC/T 586-1999

**Motor vehicles—Door locks and door
retention components**

汽车门锁和车门保持件

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Foreword

This standard is the revision of QC/T323-1999 *Vehicle Door Lock* and QC / T 586-1999 *Vehicle Door Hinge*. It has referred to GB15086-2006 *Performance Requirements and Test Methods of Vehicle Door Locks and Vehicle Door Retention Components* and GTR *Global Technical Regulations on Door Locks and Vehicle Door Keeper*. And integrated and modified the above two standards. The specific modification content is as follows:

- Supplemented the content of range (Chapter 1 of the version);
- Added definitions of terms and phrases of "Vehicle Door", "Fork Bolt", "Fork Bolt Opening Direction", "Retention Components of Door", "Door Hinge System", "Hinge Pin" (3.1, 3.7, 3.8, 3.12 -3.14, 3.16 of this version), delete the terms definitions of "Vertical", "Horizontal", "Door Hinge Device";
- "Longitudinal Load" and "Horizontal Load" of door locks have been changed to: "Load 1" and "Load 2" (4.2.1 and 4.2.2 of the version); "Longitudinal Load" and "Horizontal Load" of door hinge are changed into "Load 1" and "Load 2" (4.3 .1 and 4.3.2 of the version)
- Added requirements on experimental fixture (5.1.1 of the version);
- Added performance requirements on door locks of back door and sliding door locks [4.2.3, 4.2.6 b), 4.2.5, 4.2.6 of the version];
- Added performance requirements on door hinge of back door and retention components of sliding door (4.3.3-4.3.5 and 4.4 of the version)
- Added dynamic impact requirements on resistance to inertial force of door lock [4.2.4a) and b) of the version];
- Added corrosion resistance test methods of door hinge (5.3.5 of the version);
- Added signs, packaging, transport and storage (Chapter 7 of the version);
- Deleted Annex A analysis resistance to inertial force.

The Standard is proposed and under the jurisdiction of the National Automobile Standardization Technical Committee.

This standard is drafted by: Wuhan Institute of Auto Body Accessories.

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Motor vehicles-Door locks and door retention components

1 Scope

This Standard specifies the technical requirements, test methods, and inspection rules of automobile door lock and door retention components, as well as marks, package, transportation and storage.

This Standard is applicable to the door lock of the automobile side door(including sliding door) used for passengers' getting in and out or back door lock and door retention components.

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 15086-2006 Motor vehicles - Door locks and door retention components - Performance requirements and test methods

QC/T 625-1999 Coatings and chemical treating layers for automobile

3 Terms and Definitions

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

3.1

Door

It is applicable to the hinged door, sliding door, and back door used for passengers' getting in and out at the side or back of the automobile, except the accordion door, overhead rolling door, and simple door easy to install and dismantle.

3.2

Door lock

It is the automobile door locking device. It includes the latch, striker (or chock block), inside and outside operation mechanism, and locking mechanism.

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