



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

中华人民共和国汽车行业标准

QC/T 627-1999

Vehicles electric door lock device

汽车电动门锁装置

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Foreword

Technical contents of this Standard is formulated based on test verification through abroad advanced automobile professional standard and combined with domestic automobile practical situation on vehicles electric door lock device. In view of automobile conduction and coupling interference related standards are not formulated, anti-interference requirements in this standard direct refer to Part I of ISO 7637-1: 1990 *Road vehicles -- Electrical disturbance by conduction and coupling* and Part II of ISO 7637-2: 1990 *Road vehicles -- Electrical disturbance by conduction and coupling*. Writing rules according to GB/T 1.1-1993 and GB/T 1.3-1997.

This Standard is proposed by the former National Bureau of Machine Building Industry.

This Standard is under the jurisdiction of National Automobile Standardization Technical Committee.

The responsible drafting organizations are Wuhan Automobile Body Accessory Research Center and Shanghai SIIC Transportation Electric Co., Ltd.

The chief drafting staff of this standard includes Li Zaihua, Hou Shaojun, Miu Youxi, Gu Wen and Yu Hong.

This Standard is interpreted in charge of National Automobile Standardization Technical Committee.

Vehicles electric door lock device

1 Scope

This standard specifies the technical requirements, test methods and inspection rules of vehicles electric door lock device.

This standard applies to the vehicles electric door lock device which rotates around the two up and low hinge axis of door pillar, other types of electric door lock device can also be implemented by reference.

2 Normative References

The articles in the following standard, which are quoted by this standard and become its articles. At time of publication, the edition indicated of this standard is valid. All standards are subject to revision, and parties exercising this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

GB/T 2423.4-1993 Basic environmental testing procedure for electrical and electronic products

Test Db: cyclic damp heat test method

GB/T 2828-1987 Inspect the sampling procedures and sample forms in batch (for continuous batch inspections)

GB/T 4942.2-1985 Enclosure protection rating of low-voltage appliance

QC/T 323-1999 Door locks for vehicle

QC/T 413-1999 Basic technical conditions of vehicle electrical equipment

ISO 7637-1: 1990 Road vehicles-electrical interference caused by conduction and coupling Part I: Passenger cars with a nominal voltage of 12V and light-type commercial vehicles-introduction interference of power line

ISO 7637-2: 1990 Road vehicles-electrical interference caused by conduction and coupling Part II: Commercial vehicles with a nominal voltage of 24V-introduction interference of power line

3 Definitions

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

3.1 Electric door lock device

Refer to the door lock device whose lock and opening of lock mechanism in lock body can be

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