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

GB 11552-2009

The interior fittings of passenger car

乘用车内部凸出物

(English Translation)

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Standardization Administration of China**

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Foreword

The full technical content of this standard is mandatory.

This standard replaces GB 11552-1999 "Passenger car - Internal protrusions".

The technical content of this standard adopts, through modification, the ECE R21 "Regulations on the certification of internal fittings of passenger cars" (revision 2) and all the supplements and errata published in January 2003, both in English and French.

This standard was redrafted according to ECE R21. Appendix A lists a comparison between the clause number of this standard and the clause number of ECE R21.

Taking into account China's national conditions, this standard has been modified when ECE R21 is adopted.

The main differences between this standard and ECE R21 and their reasons are as follows.

- DELETE the relevant content of Appendix 5 "Determination program of 3D H-point" of ECE R21. The content related to this is implemented with reference to the contents in Appendix C of GB 11551-2003, which avoids errors in actual operation due to differences in standard terms.
- DELETE clause 3 "Application for certification", clause 4 "Certification", clause 6 "Change and extension of certification of vehicle model", clause 7 "Production consistency", clause 8 "Processing of production

inconsistency", clause 9 "Official suspension", clause 10 "Names and addresses of competent authorities and testing organizations", Appendix 2 "Notices", Appendix 3 "Arrangement of certification marks" from ECE R21, considering the differences between the standard system and the regulatory system.

For ease of use, the following editorial changes have been made to ECE R21.

- CHANGE "this regulation" into "this standard";
- ADD the informative Appendix A.

The main differences between this standard and GB 11552-1999 "Passenger car - Internal protrusions" are as the following.

- CHANGE the scope of the standard (change from car to category M1 automobiles, add the requirements for the electrical operation of windows, roof-panel systems and partition systems) (clause 1 of this version);
- ADD some terms and definitions (3.2, 3.10 ~ 3.18 of this version);
- ADD the electrical operation of windows, roof-panel systems and partition systems (4.8 of this version);
- ADD the informative Appendix A "Comparison between the clause number of this standard and the clause number of ECE R21" (Appendix A of this version);
- ADD the normative Appendix B "Confirmation of dynamically determined head collision zones" (Appendix B of this version);
- ADD the normative Appendix E "Typical position of columnar test bars in skylights and window 'openings'" (Appendix E of this version);
- According to the revision of ECE R21, MODIFY the impact speed (G.4.2.1 of this version).

Appendix B, Appendix C, Appendix E, Appendix F, Appendix G, Appendix H of this standard are normative appendixes. Appendix A and Appendix D are informative appendixes.

For newly-certified vehicle models, this standard has been implemented since January 1, 2012; for vehicle models on production, this standard has been implemented since January 1, 2013.

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

This standard shall be under the jurisdiction of the National Automotive Standardization Technical Committee.

Drafting organizations of this standard. Shenlong Automobile Co., Ltd., Dongfeng Motor Corporation, National Automobile Quality Supervision and Inspection Center (Xiangfan), Dongfeng Honda Automobile Co., Ltd.

1 Scope

This standard specifies the protrusion requirements internal components of the passenger compartment (except the internal rear-view mirror), the control unit, the roof or the movable roof, the parts of seat back and the rear of the seat, as well as the electrical operation requirements for the windows, roof-panel systems and partition systems.

This standard applies to category M1 automobiles.

2 Normative references

The provisions in following documents become the provisions of this Standard through reference in this Standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Standard; however, parties who reach an agreement based on this Standard are encouraged to study if the latest versions of these documents are applicable.

For undated references, the latest edition of the referenced document applies.

GB 11551-2003 The protection of the occupant in the event of a frontal collision for passenger car

GB 14166 Safety belts and restraint systems for adult occupants of motor vehicles

GB 15083 Strength requirement and test of automobile seats their anchorages and any head restraints

ISO 2575.2004 Road vehicles - Symbols of controls, indicators and tell-tales

ISO 6487.1980 Measurement technology and testing instrument of collision test

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1

Internal fittings

The interior parts of the passenger compartment other than the interior rear-view mirrors, which also relate to the arrangement of the controls, the top or movable roof, the seat back and the rear part of the seat, as well as the electrical operation of the windows, roof-panel systems and partition system.

3.2

Vehicle type

For the internal components of the passenger compartment, the category M1 vehicles which have no difference in the following main aspects.

3.3

Reference zone

Except for the head collision zone of the following areas, the zones which are determined (see the note to 3.3 in Appendix D) according to the Appendix C or the Appendix B (to be selected by the manufacturer).

3.4

Level of the instrument panel

The line determined by the tangent point of the vertical tangent of the instrument panel (see the note to 3.4 in Appendix D).

3.5

Roof