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Technical Requirements and Testing Methods for Passenger Car Braking Systems 乘用车制动系统技术要求及试验方法

(English Translation)

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CONTENTS

Fore	word	
1	Scope	
2	Normative References	. 1
3	Terms and Definitions	. 1
3.1	Fundamental Terms and Definitions	. 1
3.2	Terms and Definitions for Complex Electronic Control System	
4	Structure and function requirements	
4.1	Braking equipment	
4.2	Characteristics of braking systems	
5	Test Conditions and Performance Requirements	
5.1	Test Conditions	
5.2	Performance requirements	
5.3	Response time	
5.4	Hydraulic braking systems with stored energy – provisions relating to energy sources and energy	
_	storage devices (energy accumulators)	
5.5	Distribution of braking force among the axles of vehicles	
5.6	Test requirements for vehicles fitted with anti-lock braking systems	
6	Vehicle Type Approval and Extension	
6.1	Approval of vehicle type	
6.2	Extension of approved vehicle type	
7	Test Methods	
7.1	Test site and test equipment	
7.2	Test vehicles	
7.3	Static checks	
7.4	Dynamic tests	
Anne	ex Á (Normative) Symbols and Definitions	
	ex B (Normative) Procedure for Monitoring the State of Traction Battery Charge	
	ex C (Normative) Inertia Dynamometer Test Method for Brake Linings	
	ex D (Normative) Special Requirements to be applied to the Safety Aspects of Complex Electroni	
	cle Control Systems	
	ex E (Informative) Requirements for Test Report and Related Figures/Tables	
	= (

Technical Requirements and Testing Methods for Passenger Car Braking Systems

1 SCOPE

This Standard specifies the structure, performance and test methods for braking systems of passenger cars.

This Standard applies to the vehicles of Category M₁ specified in GB/T 15089.

2 NORMATIVE REFERENCES

The following Standards contain provisions which through reference in this text, constitute provisions of this Standard. For dated references, subsequent amendments (corrigenda excluded) to, or revisions of, any of these publications do not apply. However, parties to agreements based on this Standard are encouraged to investigate the possibility of applying the most recent editions of the Standards indicated below. For undated references, the latest edition of the applicable Standards referred to apply.

GB 4094	Motor vehiclesSymbols for controls, indicators and tell-tales (GB 4094-1999, eqv 93/91/EEC (78/316/EEC))
GB/T 5620	The terms and definitions of braking of automotive vehicles and their trailers (GB/T5620-2002, idt ISO 611:1994)
GB 12981	Power-driven vehicles – Brake fluid (GB 12981-200, ISO 4925: 1978, MOD)
GB/T 14168	Motor vehiclesGraphical symbols to designate brake fluid types (GB/T 14168-1993, eqv ISO 9128: 1987)
GB/T 15089	Motor vehicles Classification
GB/T 17619	Limits and methods of testing for immunity of electrical/electronic sub-assemblies in vehicles to electromagnetic radiation
GB 18655	Limits and methods of measurement of radio disturbance characteristics for the protection of receivers used on board vehicles (GB 18655-2002, idt IEC/CISPR 25:1995)

3 TERMS AND DEFINITIONS

For the purpose of this standard, the terms and definitions given in GB/T 5620 apply.

3.1 Fundamental Terms and Definitions

3.1.1 Vehicle type

Means a category of vehicles which have no difference in such essential respects as:

- the gross vehicle mass;
- the distribution of mass among axles;
- the maximum design speed;
- different type of braking equipment, with more particular reference to the presence or otherwise of equipment for braking a trailer or any presence of electric regenerative braking;
- the quantity and arrangement of axles;
- the engine type;
- the number and ratios of gears;
- the final drive ratios:
- the tyre dimensions.



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