
**Road vehicles — Hydraulic braking
systems, including those with electronic
control functions, for motor vehicles —
Test procedures**

*Véhicules routiers — Systèmes de freinage hydraulique, y compris ceux
à fonction de commande électronique, pour véhicules à moteur —
Modes opératoires d'essai*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6597 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 2, *Braking systems and equipment*.

This fourth edition cancels and replaces the third edition (ISO 6597:2002), which has been technically revised.

This fourth edition incorporates the relevant portions of the International Standard ISO 11835: "Road Vehicles-Motor vehicles. Measurement of braking performance under ABS operation" for testing vehicles which are fitted with anti lock function.

Road vehicles — Hydraulic braking systems, including those with electronic control functions, for motor vehicles — Test procedures

1 Scope

This International Standard specifies the method of testing the hydraulic braking systems of vehicles of categories M and N which are built to comply with ECE-R 13/09, including supplements 1 to 7. The values in square brackets [] are taken from ECE Regulation No. 13 for information.

Hydraulic braking systems include vacuum-assisted and power hydraulic-assisted braking systems as well as full power hydraulic braking systems.

NOTE Test methods covering the Electrical Regenerative Braking Systems of Electrical and Hybrid Vehicles are not included in this edition. This omission may be corrected by a further annex once these vehicles are in more common use and suitable practical test methods have been developed.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ECE Regulation No. 13, *Uniform provisions concerning the approval of vehicles with regard to braking, incorporating the 09 series of amendments including supplements 1 to 7*

ECE R.E.3, *Consolidated Resolution on the Construction of Vehicles*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

vehicle categories as defined in ECE R.E.3

3.1.1

category M

power-driven vehicles having at least four wheels and used for the carriage of passengers

3.1.2

category N

power-driven vehicles having at least four wheels and used for carriage of goods

3.2

categories of anti-lock braking function (ABS) as defined in ECE Regulation No. 13, Annex 13