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**Automotive parts—Brake linings and
brake pads—Compressive strain test
method**

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standards submitted by Society of Automotive Engineers of Japan (JSAE) / Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS D 4413** : 1998 is replaced with this Standard.

This revision has been made based on **ISO 6310** : 2001 *Road vehicles—Brake linings—Compressive strain test method* for the purpose of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents,
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Automotive parts—Brake linings and brake pads —Compressive strain test method

Introduction This Japanese Industrial Standard has been prepared based on the second edition of **ISO 6310** *Road vehicles—Brake linings—Compressive strain test method* published in 2001 with some modifications of the technical contents. Annex 1 (informative) of this Standard contains the conventional **JIS** test method which has been subjected to a review and modification based on the said **ISO** standard.

The portions given sidelines or dotted underlines are the matters in which the contents of the original International Standard have been modified. A list of modifications with the explanations is given in Annex 2 (informative).

1 Scope This Standard specifies a method for test and measurement of the compressive strain of brake linings which is applicable to road-vehicle disc-brake pad assemblies, drum-brake shoe assemblies and friction materials without a backing plate.

Remarks : The International Standard corresponding to this Standard is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), NEQ (not equivalent) according to ISO/IEC Guide 21.

ISO 6310:2001 *Road vehicles—Brake linings—Compressive strain test method* (MOD)

2 Normative reference The following standard contains provisions which, through reference in this text, constitute provisions of this Standard. The most recent edition of the standard (including amendments) indicated below shall be applied.

JIS D 0106 *Road vehicles—Brake types, braking mechanics and brake operation—Vocabulary*

Remarks : **ISO 611** *Road vehicles—Braking of motor vehicles and their trailers—Vocabulary* is equivalent to the said standard.

3 Terms and definitions For the purposes of this Standard, the terms and definitions given in **JIS D 0106** and the following apply.

3.1 compressive strain ε ratio of the reduction in thickness of the brake lining, due to compressive forces and temperatures, to its initial thickness (measured in the direction of the application force, perpendicular to the friction surface)