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**Automotive parts — Test methods and  
general requirements for alternators with  
regulators**

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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 Standard submitted by Society of Automotive Engineers of Japan (JSAE) 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 1615:1989** is replaced with this Standard.

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# Automotive parts — Test methods and general requirements for alternators with regulators

## Introduction

This Japanese Industrial Standard has been prepared based on the second edition of ISO 8854 published in 2012 with some modifications of the technical contents to correspond to the actual situation in Japan.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

## 1 Scope

This Standard specifies the test methods and general requirements for alternators with regulators for automotive parts.

This Standard is applicable to alternators, cooled according to the vehicle manufacturer's specifications, to be mounted on internal combustion engines.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 8854 : 2012 *Road vehicles — Alternators with regulators — Test methods and general requirements* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and JIS are IDT (identical), MOD (modified), and NEQ (not equivalent) according to ISO/IEC Guide 21-1.

### 1.A Normative reference

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

JIS D 0103 *Automobile parts — Devices and parts of electric equipment — Nomenclature*

## 2 Terms and definitions

For the purpose of this Standard, the terms and definitions given in JIS D 0103 and the following apply.

### 2.1 alternator frequency $n_G$

alternator rotational frequency in reciprocal minutes ( $\text{min}^{-1}$ )

### 2.2 cut-in speed $n_A$