



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS D 0012 : 2001
(JSAE/JSA)

**Road vehicle—
Transmission shift positions**

ICS 43.040.50

Descriptors : gear drives, gear levers, vehicle controls, road vehicles

Reference number : JIS D 0012 : 2001 (E)

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 the Society of Automotive Engineers of Japan, Inc. (JSAE)/the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

In this revision, two former standards for transmission shift positions, which were **JIS D 0011** for trucks and buses use and **JIS D 0012** for passenger cars use, have been combined into this Standard. Consequently **JIS D 0011 : 1979** is withdrawn and **JIS D 0012 : 1987** is revised to be replaced with **JIS D 0012 : 2001**.

Date of Establishment: 1987-07-01

Date of Revision: 2001-04-20

Date of Public Notice in Official Gazette: 2001-04-20

Investigated by: Japanese Industrial Standards Committee
Divisional Council on Aircraft and
Automobiles

JIS D 0012: 2001, First English edition published in 2002-03

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Printed in Japan

Road vehicle— Transmission shift positions

1 Scope This Japanese Industrial Standard specifies the shift positions, with their checking device and denotation, for the transmission (gear system manual and automatic), of the types of floor shift, column shift and instrument panel shift, used in automobiles⁽¹⁾. This does not apply to two-wheeled vehicles.

Note (1) The definition of **JIS D 0101** applies.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below shall be applied.

JIS D 0101 *Glossary of terms relating to kinds of automobiles*

3 Definition For the purpose of this Standard, the following definition applies.

- a) **shift position** Positional arrangement of a shift lever or selector lever knob corresponding to the respective transmission gears.

4 Shift positions

- a) **Manual transmission** The shift positions of manual transmission shall be as shown in Attached Fig. 1.
- b) **Automatic transmission** The shift positions of automatic transmission shall satisfy the following conditions and the examples are shown in Attached Fig. 2.
- 1) The neutral, if there is, shall be positioned between the drive and the reverse.
 - 2) In an operation from the neutral to the drive, the selector lever shall travel backward to the forward drives of the car for floor shift, or travel downward for column shift and instrument panel shift.
 - 3) The parking, if there is, shall be positioned at endmost the shifts and adjacent to the reverse.

5 Checking device The checking device for preventing the shift lever or selector lever from mis-operation shall function when the lever is handled at the position and in the direction as defined in the following.

- a) For manual transmissions, either of the following positions and directions.
- 1) In the case of those having a row consisting only of reverse position, at a position between that row and its adjacent row of forward drives and in the direction from the forward drives row to that row.
 - 2) In the case of those having a row consisting both of forward and reverse position, at a position between that row and its adjacent row of forward drives and in the direction from the forward drives row to that row, or at a position between the forward and reverse positions in the same row and in the positional direction from the forward drives to reverse in that row.