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**SANS 20012:1994**

Edition 1 and ECE corr. 1, ECE amdts 1, 2, 3, nat. amdt 1

**ECE R12:1994**

Revision 3 and corr. 1, and amdts 1, 2, 3

Any reference to SABS ECE R12 is deemed  
to be a reference to this standard  
(Government Notice No. 1373 of 8 November 2002)

## **SOUTH AFRICAN NATIONAL STANDARD**

# **Uniform provisions concerning the approval of vehicles with regard to the protection of the driver against the steering mechanism in the event of impact**

This national standard is the identical implementation of ECE R12:1994 and ECE corrigendum 1, and ECE amendments 1, 2, 3, and is adopted with the permission of the United Nations Economic Commission for Europe.

## **SANS 20012:1994**

Edition 1 and ECE corr. 1, ECE amdts 1, 2, 3, nat. amdt 1

## **ECE R12:1994**

Revision 3 and corr. 1, and amdts 1, 2, 3

### **Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
ECE corr. 1	1995	Corrected to change the value of "1.111 daN" to read "1,111 daN" (5.2).
ECE amdt 1	1997	Amended to change definitions and to add requirements in the subclause on specifications (5.1.1).
ECE amdt 2	1998	Amended to change requirements for the application for approval, steering-control type (4.3.1) and transitional provisions (13.3).
ECE amdt 3	2000	Amended to change requirements for the application for approval, approval and specifications, to add requirements in the annexes on arrangements of approval marks (annex 2) and frontal-impact test against a barrier (annex 3), and to change requirements in the annex on body block test (annex 4).
Nat. amdt 1	2006	Amended to change the designation from SABS to SANS, with no technical changes, and to add information to the national foreword that relates to the compulsory application of the standard.

### **National foreword**

This South African standard was approved by National Committee SABS/TC 022, *Construction of motor vehicles*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This SANS edition is technically identical to SABS ECE R12:1994, with the addition of ECE corrigendum 1, ECE amendments 1, 2, 3, and national amendment 1.

For the compulsory application of this standard, the stringency level, the date of entry into force and any additional requirements, if needed, are published in the applicable compulsory specification in the Government Gazette. **Nat. amdt 1**

<p><b>Reaffirmed and reprinted in July 2014.</b> <b>This document will be reviewed every five years</b> <b>and be reaffirmed, amended, revised or withdrawn.</b></p>
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E/ECE/324  
E/ECE/TRANS/505 } Add.11/Rev.3/Amend.3

4 August 2000

## AGREEMENT

**CONCERNING THE ADOPTION OF UNIFORM TECHNICAL PRESCRIPTIONS  
FOR WHEELED VEHICLES, EQUIPMENT AND PARTS WHICH CAN BE FITTED AND/OR  
BE USED ON WHEELED VEHICLES AND THE CONDITIONS FOR RECIPROCAL RECOGNITION  
OF APPROVALS GRANTED ON THE BASIS OF THESE PRESCRIPTIONS \*/**

(Revision 2, including the amendments entered into force on 16 October 1995)

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Addendum 11: Regulation No. 12

Revision 3 - Amendment 3

Supplement 3 to the 03 series of amendments - Date of entry into force: 23 March 2000

UNIFORM PROVISIONS CONCERNING THE APPROVAL OF VEHICLES WITH REGARD TO THE  
PROTECTION OF THE DRIVER AGAINST THE STEERING MECHANISM IN THE EVENT OF IMPACT



**UNITED NATIONS**

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\*/ Former title of the Agreement:

Agreement Concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958.

GE.00-

E/ECE/324  
E/ECE/TRANS/505 } Add.11/Rev.3/Amend.3  
Regulation No. 12  
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Insert new paragraphs 3.1.2.6. and 3.1.2.7., to read:

- "3.1.2.6. evidence that the steering mechanism complies with the specifications of paragraph 5.2.2. of Regulation No. 94, 01 series of amendments, if the application for approval is submitted by the applicant pursuant paragraph 5.1.2. below.
- 3.1.2.7. evidence that the steering control complies with the specifications of paragraphs 5.2.1.4. and 5.2.1.5. of Regulation No. 94, 01 series of amendments if the application for approval is submitted by the applicant pursuant paragraph 5.2.1. below."

Insert a new paragraph 3.2.2.3., to read:

- "3.2.2.3. evidence that the steering control complies with the specifications of paragraphs 5.2.1.4. and 5.2.1.5. of Regulation No. 94, 01 series of amendments if the application for approval is submitted by the applicant pursuant paragraph 5.2.1. below."

Paragraph 4.2.4.1., footnote 1/, amend to read:

"1/ 1 for ..... 24 for Ireland ....., 32 for Latvia, 33 (vacant), 34 for Bulgaria, 35-36 (vacant), 37 for Turkey, 38-39 (vacant), 40 for The former Yugoslav Republic of Macedonia, 41 (vacant), 42 for the European Community (Approvals are granted by its Member States using their respective ECE symbol), 43 for Japan, 44 (vacant), 45 for Australia and 46 for Ukraine. Subsequent numbers shall be assigned to other countries in the chronological order in which they ratify or accede to the Agreement Concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions, and the numbers thus assigned shall be communicated by the Secretary-General of the United Nations to the Contracting Parties to the Agreement."

Insert a new paragraph 4.3.4.3., to read:

- "4.3.4.3. the symbol R94-01 in the case of an approval pursuant paragraph 5.2.1. below."

Insert a new paragraph 5.1.2., to read:

- "5.1.2. Specifications of paragraph 5.1. above are deemed to be met if the vehicle equipped with such a steering system complies with the specifications of paragraph 5.2.2. of Regulation No. 94, 01 series of amendments."

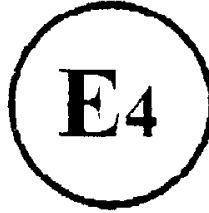
Insert a new paragraph 5.2.1., to read:

- "5.2.1. If the steering control is fitted with a steering wheel airbag, specifications of paragraph 5.2. above are deemed to be met if the vehicle equipped with such a steering system complies with the specifications of paragraphs 5.2.1.4. and 5.2.1.5. of Regulation No. 94, 01 series of amendments."

Annex 2,

Insert a new Model D approval mark, to read:

"Model D  
(see paragraph 4.3.4.3. of this Regulation)



**032439**  
**R94-01**

a = 8 mm min.

The above approval mark affixed to a steering control shows that the steering control type concerned has been approved in the Netherlands (E4) with regard to the protection of the driver against the steering mechanism in the event of impact, pursuant to provisions of paragraphs 5.2.1. and/or 5.3.1. of Regulation No. 12 as amended by the 03 series of amendments."

Annex 3, insert a new paragraph 2.4.5., to read:

"2.4.5. The steering wheel, if adjustable, shall be placed in the normal position indicated by the manufacturer or, failing that, midway between the limits of its range(s) of adjustment."

Annex 4, paragraph 2.2.1., amend to read:

".... In the case of an adjustable steering control, both tests shall be made with the wheel adjusted to the normal position indicated by the manufacturer or, failing that, midway between the limits of its range(s) of adjustment."

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