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► **B**     **DIRECTIVE 2000/40/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**  
                  **of 26 June 2000**  
                  **on the approximation of the laws of the Member States relating to the front underrun protection**  
                  **of motor vehicles and amending Council Directive 70/156/EEC**

(OJ L 203, 10.8.2000, p. 9)

Amended by:

	Official Journal		
	No	page	date
► <b><u>A1</u></b> Act concerning the conditions of accession of the Czech Republic, the Republic of Estonia, the Republic of Cyprus, the Republic of Latvia, the Republic of Lithuania, the Republic of Hungary, the Republic of Malta, the Republic of Poland, the Republic of Slovenia and the Slovak Republic and the adjustments to the Treaties on which the European Union is founded	L 236	33	23.9.2003



**DIRECTIVE 2000/40/EC OF THE EUROPEAN PARLIAMENT  
AND OF THE COUNCIL**

**of 26 June 2000**

**on the approximation of the laws of the Member States relating to  
the front underrun protection of motor vehicles and amending  
Council Directive 70/156/EEC**

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE  
EUROPEAN UNION,

Having regard to the Treaty establishing the European Community, and  
in particular Article 95 thereof,

Having regard to the proposal from the Commission <sup>(1)</sup>,

Having regard to the opinion of the Economic and Social  
Committee <sup>(2)</sup>,

Acting in accordance with the procedure laid down in Article 251 of  
the Treaty <sup>(3)</sup>,

Whereas:

- (1) By Decision 97/836/EC <sup>(4)</sup>, the Council, with the assent of the European Parliament, authorised the Community to accede to the Agreement of the United Nations Economic Commission for Europe (ECE) concerning the adoption of uniform technical prescriptions for wheeled vehicles, equipment and parts which can be fitted to and/or be used on wheeled vehicles and the conditions for reciprocal recognition of approvals granted on the basis of these prescriptions, done at Geneva on 20 March 1958, as revised on 16 October 1995.
- (2) Through its accession to the said Agreement, the Community subscribed to a defined list of Regulations established pursuant to that Agreement. This list includes UN/ECE Regulation No 93 <sup>(5)</sup>.
- (3) In order to reduce the number of European road accident casualties, it is necessary to introduce without delay the measures established by UNE/ECE Regulation No 93 into the EC type-approval procedure set up by Council Directive 70/156/EEC <sup>(6)</sup>, so as to improve the protection of the occupants of passenger cars and light vans from injury in the event of a collision with the front of heavy goods vehicles and to allow manufacturers of such devices and of vehicles equipped with such devices to obtain an EC type-approval if they meet the technical requirements of that Regulation.
- (4) In accordance with the principles of subsidiarity and proportionality as set out in Article 5 of the Treaty, the objectives of this Directive cannot be sufficiently achieved by the Member States on account of the scale and effect of the action proposed in the relevant sector, and can therefore be better achieved by the Community. This Directive does not go beyond what is necessary for the attainment of its objective, namely EC type-approval.
- (5) This Directive is one of the separate directives which must be complied with in order to conform to the EC type-approval procedure. Consequently, the provisions laid down in Directive

<sup>(1)</sup> OJ C 89, 30.3.1999, p. 11.

<sup>(2)</sup> OJ C 209, 22.7.1999, p. 8.

<sup>(3)</sup> Opinion of the European Parliament of 27.10.1999 (OJ C 154, 5.6.2000, p. 50), Council Common Position of 27.3.2000 (OJ C 178, 27.6.2000, p. 1), and Decision of the European Parliament of 17.5.2000.

<sup>(4)</sup> OJ L 346, 17.12.1997, p. 78.

<sup>(5)</sup> UN Economic Commission for Europe, document E/ECE/324.

<sup>(6)</sup> OJ L 42, 23.2.1970, p. 1. Directive as last amended by Directive 98/91/EC of the European Parliament and of the Council (OJ L 11, 16.1.1999, p. 25).

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70/156/EEC relating to vehicles, vehicle systems, components and separate technical units apply to this Directive.

- (6) In view of the considerable number of road accidents involving commercial vehicles having a mass of more than 3,5 tonnes, and consequently in order to increase road safety, the provisions concerning such vehicles should be made mandatory by this Directive without awaiting any further supplements to EC type-approval for this category of vehicles.
- (7) Directive 70/156/EEC should be amended in consequence,

HAVE ADOPTED THIS DIRECTIVE:

*Article 1*

For the purposes of this Directive:

- (a) 'vehicle' means any motor vehicle as defined in Section A of Annex II to Directive 70/156/EEC;
- (b) 'front underrun protective device' means a front underrun protective device which is intended to be part of a vehicle and which can be approved as a separate technical unit in accordance with Article 2 of Directive 70/156/EEC.

*Article 2*

1. With effect from 10 August 2001 or, if the publication referred to in Article 3 is delayed beyond 10 February 2001, six months after the date of the said publication, Member States may not, on grounds relating to the front underrun protection of a vehicle:

- (a) refuse, in respect of a type of vehicle, or a type of a front underrun protective device considered as a separate technical unit, to grant EC type-approval or national type-approval; or
- (b) prohibit the registration, sale or entry into service of vehicles or front underrun protective devices considered as a separate technical unit;

if the vehicles or separate technical units comply with the requirements of this Directive.

2. With effect from 10 August 2003, Member States:

- (a) shall no longer grant EC type-approval or national type-approval for a type of vehicle or a type of front underrun protective device as a separate technical unit;
- (b) shall refuse the registration, sale or entry into service of new vehicles or new front underrun protective devices as separate technical units;

on grounds relating to the front underrun protection if the requirements of this Directive are not complied with.

3. The administrative provisions governing EC type-approval shall be as set out in Annex I.

The scope of this Directive, and the technical requirements to be fulfilled for the award of EC type-approval, shall be as laid down in Annex II.

*Article 3*

Regulation No 93 of the United Nations Economic Commission for Europe shall be published in the *Official Journal of the European Communities* before 10 February 2001.

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*Article 4*

Directive 70/156/EEC is amended as follows:

1. Annex I shall be amended as follows:

(a) Item 2.3.4 shall be replaced by the following:

‘2.3.4. Width of the foremost axle (measured at the outermost part of the tyres excluding the bulging of the tyres close to the ground): ...’.

(b) The following items shall be inserted:

‘9.22. Front underrun protection

9.22.1. Drawing of the vehicle parts relevant to the front underrun protection, i.e. drawing of the vehicle and/or chassis with position and mounting of the widest front axle, drawing of the mounting and/or fitting of the front underrun protection. If the underrun protection is no special device, the drawing must clearly show that the required dimensions are met: ...

9.22.2. In the case of special device, full description and/or drawing of the front underrun protection (including mountings and fittings), or, if approved as a separate technical unit, type-approval number: ...’.

2. Annex V shall be amended as follows:

(a) In Part I, the following item shall be added:

‘Subject	Directive No	Official Journal reference	Applicability										
			M <sub>1</sub>	M <sub>2</sub>	M <sub>3</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	O <sub>1</sub>	O <sub>2</sub>	O <sub>3</sub>	O <sub>4</sub>	
57. Front underrun protection	2000/40/EC	L 203 of 10.8.2000, p. 9					X	X					

(b) In Part II, the following item shall be added:

‘Subject	Basic Regulation No	Series of amendments	Supplement	Corrigenda <sup>(2)</sup>
57. Front underrun protection	93	—	—	—’

*Article 5*

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive before 10 August 2001. However, if the publication referred to in Article 3 is delayed beyond 10 February 2001, Member States shall fulfil this obligation within six months of the said publication. They shall forthwith inform the Commission thereof.

Member States shall apply these measures as from 10 August 2001 or, if the publication referred to in Article 3 is delayed beyond 10 February 2001, six months after the said publication.

When Member States adopt these measures, they shall contain a reference to this Directive or shall be accompanied by such reference on the occasion of their official publication. The methods of making such reference shall be laid down by the Member States.

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2. Member States shall communicate to the Commission the text of the main provisions of national law which they adopt in the field governed by this Directive.

*Article 6*

This Directive shall enter into force on the day of its publication in the *Official Journal of the European Communities*.

*Article 7*

This Directive is addressed to the Member States.

*LIST OF ANNEXES*

ANNEX I:	Administrative provisions for EC type-approval
Appendix 1:	Information document relating to the EC type-approval of a front underrun protective device as a separate technical unit
Appendix 2:	Information document relating to the EC type-approval of a vehicle type with regard to the installation of front underrun protective devices which have been type-approved as a separate technical unit
Appendix 3:	Information document relating to the EC type-approval of a vehicle type with regard to its front underrun protection
Appendix 4:	Model EC type-approval certificate (for a type of front underrun protective device as a separate technical unit)
Appendix 5:	Model EC type-approval certificate (for a vehicle type with regard to the installation of front underrun protective devices which have been type-approved as a separate technical unit)
Appendix 6:	EC type-approval certificate (for a vehicle type with regard to its front underrun protection)
Appendix 7:	Model for the EC type-approval mark
ANNEX II:	Scope and technical requirements



ANNEX I

**ADMINISTRATIVE PROVISIONS FOR EC TYPE-APPROVAL**

1. APPLICATION FOR TYPE-APPROVAL
  - 1.1. Application for EC type-approval of a front underrun protective device as a separate technical unit
    - 1.1.1. Application for EC type-approval pursuant to Article 3(4) of Directive 70/156/EEC in respect of a front underrun protective device considered to be a separate technical unit within the meaning of Article 2 of Directive 70/156/EEC shall be submitted by the manufacturer of the front underrun protective device.
    - 1.1.2. A model for the information document is given in Appendix 1.
    - 1.1.3. A representative sample of the type of device to be approved shall be submitted to the technical service responsible for conducting the type-approval tests. That service may, if it is considered necessary, request a further sample. The samples shall be clearly and indelibly marked with the applicant's trade name or mark and the type designation.
  - 1.2. Application for EC type-approval of a vehicle type with regard to the installation of front underrun protective devices which have been type-approved as separate technical unit
    - 1.2.1. Application for EC type-approval pursuant to Article 3(1) of Directive 70/156/EEC shall be submitted by the vehicle manufacturer.
    - 1.2.2. A model for the information document is given in Appendix 2.
    - 1.2.3. A vehicle representative of the type to be approved as well as a front underrun protection for the installation, which has been approved as a separate technical unit, shall be submitted to the technical service responsible for conducting the approval tests.
  - 1.3. Application for EC type-approval of a vehicle type with regard to its front underrun protection
    - 1.3.1. Application for EC type-approval pursuant to Article 3(1) of Directive 70/156/EEC shall be submitted by the vehicle manufacturer.
    - 1.3.2. A model for the information document is given in Appendix 3.
    - 1.3.3. A vehicle representative of the type to be approved shall be submitted to the technical service responsible for conducting the approval tests.
2. GRANTING OF EC TYPE-APPROVAL
  - 2.1. If the relevant requirements are satisfied, EC type-approval pursuant to Article 4(3) and, if applicable 4(4) of Directive 70/156/EEC shall be granted.
  - 2.2. A model for the EC type-approval certificate is given:
    - 2.2.1. for a front underrun protective device as a separate technical unit in Appendix 4;
    - 2.2.2. for a vehicle type with regard to the installation of a front underrun protective device which has been type-approved as separate technical unit in Appendix 5;
    - 2.2.3. for a vehicle type with regard to its front underrun protection in Appendix 6.
  - 2.3. An approval number in accordance with Annex VII to Directive 70/156/EEC shall be assigned to each type of front underrun protective device or each type of vehicle approved. The same Member State shall not assign the same number to another type of front underrun protective device or to another type of vehicle.
3. EC TYPE-APPROVAL MARKING FOR SEPARATE TECHNICAL UNITS
  - 3.1. Every front underrun protective device conforming to the type approved under this Directive as a separate technical unit shall bear an EC type-approval mark.

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- 3.2. This mark shall consist of a rectangle surrounding the letter 'e' followed by the distinguishing number of the Member State which has granted type-approval:

- 1 for Germany
- 2 for France
- 3 for Italy
- 4 for the Netherlands
- 5 for Sweden
- 6 for Belgium

**▼A1**

- 7 for Hungary
- 8 for the Czech Republic

**▼B**

- 9 for Spain
- 11 for the United Kingdom
- 12 for Austria
- 13 for Luxembourg
- 17 for Finland
- 18 for Denmark

**▼A1**

- 20 for Poland

**▼B**

- 21 for Portugal
- 23 for Greece
- 24 for Ireland

**▼A1**

- 26 for Slovenia
- 27 for Slovakia
- 29 for Estonia
- 32 for Latvia
- 36 for Lithuania
- CY for Cyprus
- MT for Malta

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It must also include in the vicinity of the rectangle the 'base approval number' contained in Section 4 of the type-approval number referred to in Annex VII to Directive 70/156/EEC, preceded by the two figures indicating the sequence number assigned to the most recent major technical amendment to Directive 2000/40/EC on the date EC type-approval was granted. In this Directive the sequence number is 00.

- 3.3. The EC type-approval mark must be affixed to the front underrun protective device in such a way as to be indelible and clearly legible even if the device is fitted to a vehicle.
- 3.4. An example of the EC type-approval mark is shown in Appendix 7.
4. MODIFICATION OF THE TYPE AND AMENDMENTS TO APPROVALS
- 4.1. In the case of modification of a vehicle type approved pursuant to this Directive, the provisions of Article 5 of Directive 70/156/EEC shall apply.
5. CONFORMITY OF PRODUCTION
- 5.1. Measures to ensure the conformity of production shall be taken in accordance with the provisions laid down in Article 10 of Directive 70/156/EEC.



▼ **B***Appendix 1*

## INFORMATION DOCUMENT No ...

*relating to the EC type-approval of a front underrun protective device as a separate technical unit*

*(Directive 2000/40/EC, as last amended by Directive .../.../EC)*

The following information, if applicable, must be supplied in triplicate and include a list of contents. Any drawings must be supplied in appropriate scale and in sufficient detail on paper size A4 or on a folder of A4 format. Photographs, if any, must show sufficient detail.

If the systems, components or separate technical units have electronic controls, information concerning their performance must be supplied.

## 0. GENERAL

0.1. Make (trade name of manufacturer): .....

0.2. Type: .....

0.5. Name and address of manufacturer: .....

0.7. In the case of components and separate technical units, location and method of affixing of the EC type-approval mark: .....

0.8. Address(es) of assembly plant(s): .....

## 1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE(S)

on which the device is intended to be fitted in so far as they relate to the front underrun protection

1.1. Type of vehicle(s) and category<sup>(1)</sup> (if necessary): .....

1.2. Technically permissible maximum laden mass: .....

## 2. GENERAL CONSTRUCTION CHARACTERISTICS OF THE DEVICE

2.1. Full description and/or drawing of the front underrun protective device (including mounting and fitting):  
.....

2.2. Restrictions on use and mounting specifications (if any): .....

2.3. Position on the device of the points of application of the test forces: .....

Date, file

<sup>(1)</sup> As defined in Section A of Annex II to Directive 70/156/EEC.



## Appendix 2

## INFORMATION DOCUMENT No ...

**pursuant to Annex I of Council Directive 79/156/EEC<sup>(1)</sup>, relating to the EC type-approval of a vehicle type with regard to the installation of front underrun protective devices which have been type-approved as a separate technical unit**

*(Directive 2000/40/EC, as last amended by Directive .../.../EC)*

The following information, if applicable, must be supplied in triplicate and include a list of contents. Any drawings must be supplied in appropriate scale and in sufficient detail on paper size A4 or on a folder of A4 format. Photographs, if any, must show sufficient detail.

If the systems, components or separate technical units have electronic controls, information concerning their performance must be supplied.

- 0. GENERAL
  - 0.1. Make (trade name of manufacturer): .....
  - 0.2. Type: .....
  - 0.2.1. Commercial name(s) (if available): .....
  - 0.3. Means of identification of type, if marked on the vehicle<sup>(b)</sup>: .....
  - 0.3.1. Location of that marking: .....
  - 0.4. Category of vehicle<sup>(c)</sup>: .....
  - 0.5. Name and address of manufacturer: .....
  - 0.8. Address(es) of assembly plant(s): .....
- 1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE
  - 1.1. Photographs and/or drawings of a representative vehicle: .....
- 2. MASSES AND DIMENSIONS<sup>(e)</sup>  
(in kg and mm) (Refer to drawing where applicable)
  - 2.3.4. Width of the foremost axle (measured at the outermost part of the tyres excluding the bulging of the tyres close to the ground): .....
  - 2.8. Technically permissible maximum laden mass stated by the manufacturer<sup>(f)</sup> (maximum and minimum for each variant): .....

<sup>(1)</sup> The item numbers and footnotes used in this Information Document correspond to those set out in Annex I to Directive 79/156/EEC. Items not relevant for the purposes of this Directive are omitted.

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9. BODYWORK
- 9.1. Type of bodywork: .....
- 9.2. Materials used and methods of construction: .....
- 9.22. Front underrun protection
- 9.22.1. Drawings of the vehicle parts relevant to the front underrun protection, i.e. drawing of the vehicle and/or chassis with position and mounting of the widest front axle, drawing of the mounting and/or fitting of the front underrun protection. If the underrun protection is no special device, the drawing must clearly show that the required dimensions are met: .....
- 9.22.2. In the case of special device, full description and/or drawing of the front underrun protection (including mountings and fittings), or, if approved as a separate technical unit, type-approval number: .....

Date, file

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## Appendix 3

## INFORMATION DOCUMENT No ...

**pursuant to Annex I of Council Directive 70/156/EEC<sup>(1)</sup>, relating to the EC type-approval of a vehicle type with regard to its front underrun protection***(Directive 2000/40/EC, as last amended by Directive .../.../EC)*

The following information, if applicable, must be supplied in triplicate and include a list of contents. Any drawings must be supplied in appropriate scale and in sufficient detail on paper size A4 or on a folder of A4 format. Photographs, if any, must show sufficient detail.

If the systems, components or separate technical units have electronics controls, information concerning their performance must be supplied.

- 0. GENERAL
  - 0.1. Make (trade name of manufacturer): .....
  - 0.2. Type: .....
  - 0.2.1. Commercial name(s) (if available): .....
  - 0.3. Means of identification of type, if marked on the vehicle<sup>(b)</sup>: .....
  - 0.3.1. Location of that marking: .....
  - 0.4. Category of vehicle<sup>(c)</sup>: .....
  - 0.5. Name and address of manufacturer: .....
  - 0.8. Address(es) of assembly plant(s): .....
- 1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE
  - 1.1. Photographs and/or drawings of a representative vehicle: .....
- 2. MASSES AND DIMENSIONS<sup>(e)</sup>  
(in kg and mm) (Refer to drawing where applicable)
  - 2.3.4. Width of the foremost axle (measured at the outermost part of the tyres excluding the bulging of the tyres close to the ground): .....
  - 2.8. Technically permissible maximum laden mass stated by the manufacturer<sup>(f)</sup> (maximum and minimum for each variant): .....

<sup>(1)</sup> The item numbers and footnotes used in this Information Document correspond to those set out in Annex I to Directive 70/156/EEC. Items not relevant for the purposes of this Directive are omitted.

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9. BODYWORK
- 9.1. Type of bodywork: .....
- 9.2. Materials used and methods of construction: .....
- 9.22. Front underrun protection
- 9.22.1. Drawings of the vehicle parts relevant to the front underrun protection, i.e. drawing of the vehicle and/or chassis with position and mounting of the widest front axle, drawing of the mounting and/or fitting of the front underrun protection. If the underrun protection is no special device, the drawing must clearly show that the required dimensions are met: .....
- 9.22.2. In the case of special device, full description and/or drawing of the front underrun protection (including mountings and fittings), or, if approved as a separate technical unit, type-approval number: .....
- 9.22.3. Position on the device of the points of application of the test forces: .....

Date, file

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## Appendix 4

**MODEL***(maximum format: A4 (210 mm × 297 mm))*

## EC TYPE-APPROVAL CERTIFICATE

Stamp of administration

Communication concerning the:

- type-approval<sup>(1)</sup>,
- extension of type-approval<sup>(1)</sup>,
- refusal of type-approval<sup>(1)</sup>,
- withdrawal of type-approval<sup>(1)</sup>,

of a type of vehicle/component/separate technical unit<sup>(1)</sup> with regard to Directive .../.../EC, as last amended by Directive .../.../EC.

Type-approval number: .....

Reason for extension: .....

## SECTION I

- 0.1. Make (trade name of manufacturer): .....
- 0.2. Type: .....
- 0.3. Means of identification of type, if marked on the vehicle/component/separate technical unit<sup>(1)</sup> <sup>(2)</sup>: .....
- 0.3.1. Location of that marking: .....
- 0.4. Category of vehicle<sup>(1)</sup> <sup>(3)</sup>: .....
- 0.5. Name and address of manufacturer: .....
- 0.7. In the case of components and separate technical units, location and method of affixing of the EC type-approval mark: .....
- 0.8. Address(es) of assembly plant(s): .....

<sup>(1)</sup> Delete where not applicable.

<sup>(2)</sup> If the means of identification of type contains characters not relevant to a description of the vehicle, component or separate technical unit types covered by this type-approval certificate, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).

<sup>(3)</sup> As defined in Section A of Annex II to Directive 70/156/EEC.

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## SECTION II

1. Additional information (where applicable): see *Addendum*
2. Technical service responsible for carrying out the tests: .....
3. Date of test report: .....
4. Number of test report: .....
5. Remarks (if any): see *Addendum*
6. Place: .....
7. Date: .....
8. Signature: .....
9. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

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*Addendum*

*to EC type-approval certificate No ..., concerning the type-approval of a front underrun protective device as a separate technical unit  
(Directive 2000/40/EC, as last amended by Directive .../.../EC)*

1. Additional information
  - 1.1. Construction
    - 1.1.1. Material: .....
    - 1.1.2. Method of fixing: .....
    - 1.1.3. Dimension of the device: .....
  - 1.2. Technically permissible maximum laden mass of the vehicle(s) on which the device is to be mounted:
  - 1.3. Restriction of the use of the device (if any): .....
  - 1.4. Maximum horizontal and vertical deflection during and after the application of the test forces of any test point: .....
5. Remarks: .....

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## Appendix 5

**MODEL***(maximum format: A4 (210 mm × 297 mm))*

## EC TYPE-APPROVAL CERTIFICATE

Stamp of administration

Communication concerning the:

- type-approval<sup>(1)</sup>,
- extension of type-approval<sup>(1)</sup>,
- refusal of type-approval<sup>(1)</sup>,
- withdrawal of type-approval<sup>(1)</sup>,

of a type of vehicle/component/separate technical unit<sup>(1)</sup> with regard to Directive .../.../EC, as last amended by Directive .../.../EC.

Type-approval number: .....

Reason for extension: .....

## SECTION I

0.1. Make (trade of manufacturer): .....

0.2. Type: .....

0.3. Means of identification of type, if marked on the vehicle/component/separate technical unit<sup>(1)</sup> <sup>(2)</sup>: .....

0.3.1. Location of that marking: .....

0.4. Category of vehicle<sup>(1)</sup> <sup>(3)</sup>: .....

0.5. Name and address of manufacturer: .....

<sup>(1)</sup> Delete where not applicable.<sup>(2)</sup> If the means of identification of type contains characters not relevant to a description of the vehicle, component or separate technical unit types covered by this type-approval certificate, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).<sup>(3)</sup> As defined in Section A of Annex II to Directive 70/156/EEC.



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- 0.7. In the case of components and separate technical units, location and method of affixing of the EC type-approval mark: .....
- 0.8. Address(es) of assembly plant(s): .....

## SECTION II

1. Additional information (where applicable): see *Addendum*
2. Technical service responsible for carrying out the tests: .....
3. Date of tests report: .....
4. Number of test report: .....
5. Remarks (if any): see *Addendum*
6. Place: .....
7. Date: .....
8. Signature: .....
9. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

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*Addendum*

*to EC type-approval certificate No ..., concerning the type-approval of a vehicle with regard to the installation of a front underrun protective device which has been type-approved as a separate technical unit*

(Directive 2000/40/EC, as last amended by Directive .../.../EC)

1. Additional information
- 1.4. Mass of vehicle submitted and respective masses on the axles:
- 1.4.1. Front axle: .....
- 1.4.2. Rear axle: .....
- 1.4.3. Total: .....
- 1.5. Type-approval number of the front underrun protective device: .....
5. Remarks: (e.g., valid for left-hand drive and right-hand drive vehicles)
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## Appendix 6

**MODEL***(maximum format: A4 (210 mm × 297 mm))*

## EC TYPE-APPROVAL CERTIFICATE

Stamp of administration

Communication concerning the:

- type-approval<sup>(1)</sup>,
- extension of type-approval<sup>(1)</sup>,
- refusal of type-approval<sup>(1)</sup>,
- withdrawal of type-approval<sup>(1)</sup>,

of a type of vehicle/component/separate technical unit<sup>(1)</sup> with regard to Directive .../.../EC, as last amended by Directive .../.../EC.

Type-approval number: .....

Reason for extension: .....

## SECTION I

- 0.1. Make (trade name of manufacturer): .....
- 0.2. Type: .....
- 0.3. Means of identification of type, if marked on the vehicle/component/separate technical unit<sup>(1)</sup> <sup>(2)</sup>: .....
- 0.3.1. Location of that marking: .....
- 0.4. Category of vehicle<sup>(1)</sup> <sup>(3)</sup>: .....
- 0.5. Name and address of manufacturer: .....
- 0.7. In the case of components and separate technical units, location and method of affixing of the EC type-approval mark: .....
- 0.8. Address(es) of assembly plant(s): .....

<sup>(1)</sup> Delete where not applicable.<sup>(2)</sup> If the means of identification of type contains characters not relevant to a description of the vehicle, component or separate technical unit types covered by this type-approval certificate, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).<sup>(3)</sup> As defined in Section A of Annex II to Directive 70/156/EEC.

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## SECTION II

1. Additional information (where applicable): see *Addendum*
2. Technical service responsible for carrying out the tests: .....
3. Date of test report: .....
4. Number of test report: .....
5. Remarks (if any): see *Addendum*
6. Place: .....
7. Date: .....
8. Signature: .....
9. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

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*Addendum*

*to EC type-approval certificate No ..., concerning the type-approval of a vehicle with regard to its front underrun protection*

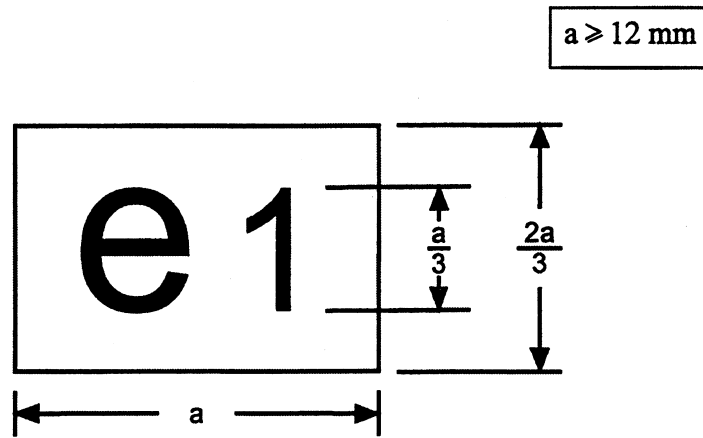
*(Directive 2000/40/EC, as last amended by Directive .../.../EC)*

1. Additional information
    - 1.1. Brief description of the vehicle type as regard its parts providing frontal protection: .....
    - 1.4. Mass of vehicle submitted and respective masses on the axles
      - 1.4.1. Front axle: .....
      - 1.4.2. Rear axle: .....
      - 1.4.3. Total: .....
    - 1.5. Maximum horizontal and vertical deflection during and after the application of the test forces of any test point: .....
  5. Remarks: (e.g., valid for left-hand drive and right-hand drive vehicles)
-

▼B

## Appendix 7

## MODEL FOR THE EC TYPE-APPROVAL MARK



00 2439  $\frac{a}{3}$

The front underrun protective device bearing the above EC type-approval mark is a device which has been approved in Germany (e 1) under the base approval number 2439 on the basis of this Directive. The figures used are only indicative.



ANNEX II

**SCOPE AND TECHNICAL REQUIREMENTS**

1. SCOPE
  - 1.1. This Directive applies to:
    - 1.1.1. front underrun protective devices as separate technical units intended to be fitted to vehicles of categories N<sub>2</sub> and N<sub>3</sub> <sup>(1)</sup>;
    - 1.1.2. vehicles of category N<sub>2</sub> and N<sub>3</sub> with regard to the installation of front underrun protective devices which have been type-approved as separate technical units;
    - 1.1.3. vehicles of category N<sub>2</sub> and N<sub>3</sub> with regard to their front underrun protection.
  - 1.2. Vehicles of categories N<sub>2</sub> with a maximum mass not exceeding 7,5 tonnes shall comply only with the ground clearance requirement of 400 mm as set out in this Directive.
  - 1.3. The requirements of this Directive do not apply to:
    - 1.3.1. off-road vehicles of categories N<sub>2</sub> and N<sub>3</sub>;
    - 1.3.2. vehicles such that their use is incompatible with the provisions of front underrun protection.
2. DEFINITIONS
 

For the purpose of this Directive:

  - 2.1. 'maximum mass' of the vehicle means the technically permissible maximum laden mass defined in item 2.8 of Annex I to Directive 70/156/EEC;
  - 2.2. 'unladen vehicle', means the vehicle in running order having the mass defined in item 2.6 of Annex I to Directive 70/156/EEC;
  - 2.3. 'type of front underrun protection device', means front underrun protective devices which do not differ with respect to the essential characteristics such as shape, dimensions, attachment, materials and the markings cited in item 1.1.3 of Annex I;
  - 2.4. 'front underrun protection' means the presence at the front of the vehicle of either:
 

a special front underrun protection device; or

body work, chassis parts or other components, such that by virtue of their shape and characteristics, these elements can be regarded as fulfilling the function of the front underrun protection device;
  - 2.5. 'vehicle type' means vehicles which do not essentially differ in such aspects as:
    - 2.5.1. the width of the foremost axle measured at the outermost part of the tyres excluding the bulging of the tyres close to the ground;
    - 2.5.2. the structure, the dimensions, the shape and materials of the front part of the vehicle in so far as they have a bearing on the requirements of the relevant part of this Directive;
    - 2.5.3. the approved front underrun protective device fitted to the vehicle;
    - 2.5.4. the maximum mass of the vehicle type.
3. TECHNICAL REQUIREMENTS
 

The technical requirements which have to be complied with in order to obtain a type-approval in accordance with this Directive are those set out in paragraphs 6, 8 and 10, together with Annex 5 to UN/ECE Regulation No 93, with the following exceptions:

  - 3.1. in item 8.2, the term 'communication document contained in annex 1' has to be regarded as 'EC type-approval certificate contained in Annex 1, Appendix 5';

<sup>(1)</sup> As defined in Section A of Annex II to Directive 70/156/EEC.

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- 3.2. in item 8.3, the term in brackets '(annex 1, item 9.)' has to be regarded as '(Annex I, Appendix 4, Addendum, paragraph 1.4)';
- 3.3. in item 8.6, the term in brackets '(annex 1, item 8.)' has to be regarded as '(Annex I, Appendix 1, paragraph 2.3)';
- 3.4. in item 3.5.1 of Annex V the term 'for applications pursuant to Part III' has to be regarded as 'for applications pursuant to Annex I, paragraph 1.3'.