

# Official Journal

## of the European Communities

ISSN 0378-6978

L 171

Volume 40

30 June 1997

## Legislation

English edition

### Contents

#### I Acts whose publication is obligatory

- ★ Commission Directive 97/28/EC of 11 June 1997 adapting to technical progress Council Directive 76/756/EEC relating to the installation of lighting and light-signalling devices on motor vehicles and their trailers<sup>(1)</sup> ..... 1
- ★ Commission Directive 97/29/EC of 11 June 1997 adapting to technical progress Council Directive 76/757/EEC relating to retro-reflectors for motor vehicles and their trailers<sup>(1)</sup> ..... 11
- ★ Commission Directive 97/30/EC of 11 June 1997 adapting to technical progress Council Directive 76/758/EEC relating to the end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps for motor vehicles and their trailers<sup>(1)</sup> ..... 25
- ★ Commission Directive 97/31/EC of 11 June 1997 adapting to technical progress Council Directive 76/760/EEC relating to the rear registration plate lamps for motor vehicles and their trailers<sup>(1)</sup> ..... 49
- ★ Commission Directive 97/32/EC of 11 June 1997 adapting to technical progress Council Directive 77/539/EEC relating to reversing lamps for motor vehicles and their trailers<sup>(1)</sup> ..... 63

Price: ECU 19,50

<sup>(1)</sup> Text with EEA relevance.

EN

Acts whose titles are printed in light type are those relating to day-to-day management of agricultural matters, and are generally valid for a limited period.

The titles of all other Acts are printed in bold type and preceded by an asterisk.

## I

(Acts whose publication is obligatory)

## COMMISSION DIRECTIVE 97/28/EC

of 11 June 1997

adapting to technical progress Council Directive 76/756/EEC relating to the installation of lighting and light-signalling devices on motor vehicles and their trailers

(Text with EEA relevance)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

provided for in Directive 76/756/EEC must be amended accordingly;

Having regard to the Treaty establishing the European Community,

Having regard to Council Directive 70/156/EEC relating to the type-approval of motor vehicles and their trailers<sup>(1)</sup>, as last amended by European Parliament and Council Directive 96/79/EC<sup>(2)</sup>, and in particular Article 13 (2) thereof,

Whereas the procedures need to be simplified in order to maintain the equivalence, established by Article 9 (2) of Directive 70/156/EEC, between certain separate Directives and the corresponding regulations of the United Nations' Economic Commission for Europe when the said regulations are amended; whereas, as a first step, the technical requirements of Directive 76/756/EEC need to be replaced by those of Regulation No 48 by way of cross-reference;

Having regard to Council Directive 76/756/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to the installation of lighting and light-signalling devices on motor vehicles and their trailers<sup>(3)</sup>, as last amended by Commission Directive 91/663/EEC<sup>(4)</sup>, and in particular Article 5 thereof,

Whereas, in order to improve road traffic safety, it has *inter alia* been decided to require the mandatory installation of a third stop lamp on vehicles of category M<sub>1</sub> and to permit the optional installation of daytime running lamps on motor vehicles;

Whereas Directive 76/756/EEC is one of the separate Directives of the EC type-approval procedure which has been established by Directive 70/156/EEC; whereas, consequently, the provisions laid down in Directive 70/156/EEC relating to vehicle systems, components and separate technical units apply to this Directive;

Whereas there is a need to examine further the optional provisions relating to the performance requirements of individual lighting and light signalling devices and their installation on motor vehicles and their trailers; whereas it is essential that the necessary technical work be completed so that further amendments can be introduced expeditiously into Directive 76/756/EEC;

Whereas, in particular, Articles 3 (4) and 4 (3) of Directive 70/156/EEC require each separate Directive to have attached to it an information document and also a type-approval certificate based on Annex VI to that Directive in order that type-approval may be computerized; whereas the type-approval certificate

Whereas reference is made to Council Directive 76/757/EEC<sup>(5)</sup>, as last amended by Commission Directive 97/29/EC<sup>(6)</sup>;

Whereas the measures provided for in this Directive are in accordance with the opinion of the Committee for Adaptation to Technical Progress established by Directive 70/156/EEC,

<sup>(1)</sup> OJ No L 42, 23. 2. 1970, p. 1.

<sup>(2)</sup> OJ No L 18, 21. 1. 1997, p. 7.

<sup>(3)</sup> OJ No L 262, 27. 9. 1976, p. 1.

<sup>(4)</sup> OJ No L 366, 31. 12. 1991, p. 17.

<sup>(5)</sup> OJ No L 262, 27. 9. 1976, p. 32.

<sup>(6)</sup> See p. 11 of this Official Journal.

HAS ADOPTED THIS DIRECTIVE:

#### Article 1

Directive 76/756/EEC is hereby amended as follows:

1. The first sentence of Article 4 is replaced by the following:

‘A Member State which has granted EC type-approval shall take the necessary measures to ensure that it is informed of any modification to any of the parts or characteristics referred to in the definition of vehicle type with regard to the installation of lighting and light-signalling devices.’

2. The Annexes are replaced by the Annex to this Directive.

#### Article 2

1. From 1 January 1998, or, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, six months after the actual date of publication of these texts, Member States may not, on grounds relating to the installation of lighting and light-signalling devices,

— refuse, in respect of a type of vehicle, to grant EC type-approval or national type-approval, or

— prohibit the registration, sale or entry into service of vehicles,

provided that the vehicles comply with the requirements of Directive 76/756/EEC, as amended by this Directive.

2. From 1 October 1998 Member States:

— shall no longer grant EC type-approval, and

— may refuse to grant national type-approval

for any type of vehicle on grounds relating to the installation of lighting and light-signalling devices, if the requirements of Directive 76/756/EEC, as amended by this Directive, are not complied with.

3. From 1 October 2000 Member States:

— shall consider certificates of conformity which accompany new vehicles in accordance with the provisions of Directive 70/156/EEC to be no longer valid for the purposes of Article 7 (1) of that Directive, and

— may refuse the registration, sale and entry into service of new vehicles which are not accompanied by a certificate of conformity in accordance with Directive 70/156/EEC

on grounds relating to the installation of lighting and light-signalling devices, if the requirements of Directive 76/756/EEC, as amended by this Directive, are not complied with.

#### Article 3

The paragraphs and annexes of UN-ECE Regulation No 48 referred to in Annex II, item 1, shall be published in the *Official Journal of the European Communities* before 1 July 1997.

#### Article 4

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by 1 January 1998; however, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, the Member States shall comply with this obligation six months after the actual date of publication of these texts. They shall forthwith inform the Commission thereof.

They shall apply those provisions from 1 January 1998, or, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, six months after the actual date of publication of those texts.

When Member States adopt these provisions, they shall contain a reference to this Directive or shall be accompanied by such reference at the time of their official publication. The procedure for such reference shall be adopted by Member States.

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

#### Article 5

This Directive shall enter into force on the 20 day following its publication in the *Official Journal of the European Communities*.

#### Article 6

This Directive is addressed to the Member States.

Done at Brussels, 11 June 1997.

For the Commission

Martin BANGEMANN

Member of the Commission

## ANNEX

**'LIST OF ANNEXES**

ANNEX I: Administrative provisions for type-approval

*Appendix 1:* Information document

*Appendix 2:* Type-approval certificate

ANNEX II: Technical requirements

*ANNEX I***ADMINISTRATIVE PROVISIONS FOR TYPE-APPROVAL****1. APPLICATION FOR EC TYPE-APPROVAL OF A VEHICLE TYPE**

- 1.1. The application for EC type-approval pursuant to Article 3 (4) of Directive 70/156/EEC of a vehicle type with regard to the installation of its lighting and light-signalling devices shall be submitted by the manufacturer.
- 1.2. A model for the information document is given in Appendix 1.
- 1.3. The following must be submitted to the technical service responsible for conducting the type-approval tests:
  - 1.3.1. a vehicle representative of the type to be approved.

**2. GRANTING OF EC TYPE-APPROVAL OF A VEHICLE TYPE**

- 2.1. If the relevant requirements are complied with, EC type-approval pursuant to Article 4 (3) of Directive 70/156/EEC shall be granted.
- 2.2. A model for the EC type-approval certificate is given in Appendix 2.
- 2.3. An approval number in accordance with Annex VII to Directive 70/156/EEC shall be assigned to each type of vehicle approved. The same Member State must not assign the same number to another type of vehicle.

**3. MODIFICATIONS OF THE TYPE AND AMENDMENTS TO APPROVALS**

- 3.1. In the case of modifications of the type approved pursuant to this Directive, the provisions of Article 5 of Directive 70/156/EEC shall apply.

**4. CONFORMITY OF PRODUCTION**

- 4.1. As a general rule, 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.
  - 4.2. Specific requirements with respect to the tests to be carried out are laid down in Annex 9 of the documents referred to in item 1 of Annex II to this Directive.
-

## Appendix 1

## Information document No ...

pursuant to Annex I of Council Directive 70/156/EEC relating to the EC type-approval of a vehicle with respect to the installation of lighting and light-signalling devices  
(Directive 76/756/EEC, 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 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 and general commercial description(s): .....
- 0.3. Means of identification of type, if marked on the vehicle (b): .....
- 0.3.1. Location of that marking: .....
- 0.4. Category of vehicle (c): .....
- 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: .....
- 1.8. Hand of drive: left/right<sup>(1)</sup>
- 1.8.1. Vehicle is equipped to be driven in right/left<sup>(1)</sup> hand traffic

## 2. MASSES AND DIMENSIONS (e) (in kg\* and mm)

- 2.1. Wheel base(s) (fully loaded) (f): .....
- 2.4. Range of vehicle dimensions (overall)
  - 2.4.1. For chassis without bodywork
    - 2.4.1.1. Length (j): .....
    - 2.4.1.2. Width (k): .....
    - 2.4.1.2.1. Maximum width: .....
    - 2.4.1.2.2. Minimum width: .....
    - 2.4.1.3. Height (unladen)<sup>(1)</sup> (for suspensions adjustable for height, indicate normal running position): .....
  - 2.4.2. For chassis with bodywork
    - 2.4.2.1. Length (j): .....
    - 2.4.2.2. Width (k): .....
    - 2.4.2.3. Height (unladen)<sup>(1)</sup> (for suspensions adjustable for height, indicate normal running position): .....

(\*) 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.

- 2.6. Mass of the vehicle with bodywork, and with coupling device in the case of a towing vehicle of a category other than M<sub>1</sub>, in running order, or mass of the chassis with cab if the manufacturer does not fit the bodywork and/or coupling device (including coolant, oils, fuel, 100 % other liquids except used waters, tools, spare wheel and driver and, for buses and coaches, the mass of the crew member (75 kg) if there is a crew seat in the vehicle) (o) (max. and min. for each variant): .....
- 2.6.1. Distribution of this mass among the axles and, in the case of a semitrailer of centre-axle trailer, load on the coupling point (max. and min.): .....
- 2.8. Technically permissible maximum laden mass stated by the manufacturer (y) (max. and min.): .....
- 2.8.1. Distribution of this mass among the axles and, in the case of a semitrailer of centre-axle trailer, load on the coupling point (max. and min.): .....
- 3. POWER PLANT (q)
  - 3.2.5. Electrical system
    - 3.2.5.1. Rated voltage: ..... V, pos./neg. ground<sup>(1)</sup>
- 6. SUSPENSION
  - 6.2.1. Level adjustment: yes/no/optional<sup>(1)</sup>
  - 6.6. Tyres and wheels
    - 6.6.2. Upper and lower limits of rolling radii
      - 6.6.2.1. Axle 1: .....
      - 6.6.2.2. Axle 2: .....
      - 6.6.2.3. Axle 3: .....
      - 6.6.2.4. Axle 4: .....  
etc.
- 9. BODYWORK
  - 9.10.3. Seats
    - 9.10.3.1. Number: .....
    - 9.10.3.2. Position and arrangement: .....
- 10. LIGHTING AND LIGHT-SIGNALLING DEVICES
  - 10.1. Table of all devices: number, make, model, type-approval mark, maximum intensity of main-beam headlamps, colour, tell-tale: .....
  - 10.2. Drawing of the position of lighting and light-signalling devices: .....
  - 10.3. For every lamp and reflector specified in Directive 76/756/EEC, supply the following information (in writing and/or by diagram)
    - 10.3.1. Drawing showing the extent of the illuminating surface: .....
    - 10.3.2. Method used for the definition of the apparent surface (paragraph 2.10 of the documents referred to in Annex II to Directive 76/756/EEC, item 1): .....
    - 10.3.3. Axis of reference and centre of reference: .....
    - 10.3.4. Method of operation of concealable lamps: .....
    - 10.3.5. Any specific mounting and wiring provisions: .....

- 10.4. Dipped beam lamps: normal orientation as per paragraph 6.2.6.1 of the documents referred to in Annex II to Directive 76/756/EEC, item 1
- 10.4.1. Value of initial adjustment: .....
- 10.4.2. Location of indication: .....
- 10.4.3. Description/drawing<sup>(1)</sup> and type of headlamp levelling device (e. g. automatic, stepwise manually adjustable, continuously adjustable) .....
- 10.4.4. Control device: .....
- 10.4.5. Reference marks: .....
- 10.4.6. Marks assigned for loading conditions: .....

} applicable only for vehicles with headlamp levelling device

## Appendix 2

## MODEL

*Maximum format: A4 (210 × 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 a vehicle/component/separate technical unit<sup>(1)</sup> with regard to Directive 76/756/EEC, as last amended by Directive .../.../EC.

Type-approval number: .....

Reason for extension: .....

## SECTION I

- 0.1. Make (trade name of manufacturer): .....
- 0.2. Type and general commercial descriptions: .....
- 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 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 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.

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

(<sup>2</sup>) If the means of identification of type contains characters not relevant to describe 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 Annex II A to Directive 70/156/EEC.

---

*Addendum*

to EC type-approval certificate No ...

concerning the type-approval of a vehicle with regard to Directive 76/756/EEC, as last amended by  
Directive .../.../EC

1. ADDITIONAL INFORMATION

1.1. List of the optional lamps which may be installed on this vehicle type: .....

5. REMARKS

5.1. Any comments on movable components: .....

---

## ANNEX II

## TECHNICAL REQUIREMENTS

1. The technical requirements are those set out in paragraphs 2, 2.2 to 2.25.2, 5 and 6 and Annexes 3 to 9 of UN-ECE Regulation No 48 which consists of a consolidation of the following documents:
  - the 01 series of amendments including corrections<sup>(1)</sup>,
  - Corrigendum 2 to the 01 series of amendments<sup>(2)</sup>,
  - the Supplement 1 to the 01 series of amendments including corrections to the 01 series of amendments and Corrigendum 1 to Revision 1 of Regulation No 48<sup>(3)</sup>,
  - Corrigendum 4 to the 01 series of amendments<sup>(4)</sup>,except that:
  - 1.1. paragraph 2.4 shall be understood as follows:

“Unladen vehicle” means a vehicle in running order, as defined in item 2.6 of Appendix 1 of Annex I to this Directive, but without driver.
  - 1.2. The footnote reference (2) in paragraph 2.7.24 and the pertaining footnote are deleted.
  - 1.3. The term “the communication form (item 10.1 of Annex 1)” mentioned in paragraph 5.19.1 shall be understood as “the type-approval-certificate (item 5.1 of the Addendum to Appendix 2 of Annex I to this Directive)”.
  - 1.4. In footnote (4) to paragraph 6.2.9, introduced by reference document (3), “Contracting Parties to the respective regulations” shall be understood as “Member States”.
  - 1.5. In paragraphs 6.14.2, 6.15.2, 6.16.2 and 6.17.2, “Regulation No 3” shall be understood as “Directive 76/757/EEC”.
  - 1.6. The footnote reference (5) in paragraph 6.19 and the pertaining footnote are deleted.
  - 1.7. Footnote (1) in Annex 5 shall be understood as follows:

“For definitions of the categories, see Annex II A to Directive 70/156/EEC”.
2. Without prejudice to the requirements of Article 8, in particular (2a), (2c) and (3) of Directive 70/156/EEC, to the requirements of this Annex and to any requirements in any of the separate Directives, the installation of any other lighting or light-signalling device than those defined in paragraphs 2.7.1 to 2.7.24 of the documents referred to in item 1 above is prohibited.

---

|                            |   |                                 |
|----------------------------|---|---------------------------------|
| ( <sup>1</sup> ) E/ECE/324 | } | Rev. 1/Add. 47/Rev. 1.          |
| E/ECE/TRANS/505            |   |                                 |
| ( <sup>2</sup> ) E/ECE/324 | } | Rev. 1/Add. 47/Rev. 1/Corr. 1.  |
| E/ECE/TRANS/505            |   |                                 |
| ( <sup>3</sup> ) E/ECE/324 | } | Rev. 1/Add. 47/Rev. 1/Amend. 1. |
| E/ECE/TRANS/505            |   |                                 |
| ( <sup>4</sup> ) E/ECE/324 | } | Rev. 1/Add. 47/Rev. 1/Corr. 2.  |
| E/ECE/TRANS/505            |   |                                 |

## COMMISSION DIRECTIVE 97/29/EC

of 11 June 1997

adapting to technical progress Council Directive 76/757/EEC relating to retro-reflectors for motor vehicles and their trailers

(Text with EEA relevance)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Council Directive 70/156/EEC of 6 February 1970 relating to the type-approval of motor vehicles and their trailers<sup>(1)</sup>, as last amended by European Parliament and Council Directive 96/79/EC<sup>(2)</sup>, and in particular Article 13 (2) thereof,

Having regard to Council Directive 76/757/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to retro-reflectors for motor vehicles and their trailers<sup>(3)</sup>, as last amended by the Act of Accession of Austria, Finland and Sweden, and in particular Article 10 thereof,

Whereas Directive 76/757/EEC is one of the separate Directives of the EC type-approval procedure which has been established by Directive 70/156/EEC; whereas, consequently, the provisions laid down in Directive 70/156/EEC relating to vehicle systems, components and separate technical units apply to this Directive;

Whereas, in particular, Articles 3 (4) and 4 (3) of Directive 70/156/EEC require each separate Directive to have attached to it an information document and also a type-approval certificate based on Annex VI to that Directive in order that type-approval may be computerized; whereas the type-approval certificate provided for in Directive 76/757/EEC must be amended accordingly;

Whereas the procedures need to be simplified in order to maintain the equivalence envisaged by Article 9 (2) of Directive 70/156/EEC between certain separate Directives and the corresponding regulations of the United Nations' Economic Commission for Europe when the said regulations are amended; whereas, as a first step, the technical requirements of Directive 76/757/EEC need to be replaced by those of Regulation No 3 by way of cross-reference;

Whereas reference is made to Council Directive 76/756/EEC<sup>(4)</sup>, as last amended by Commission Directive 97/28/EC<sup>(5)</sup>;

Whereas a discrepancy in the technical terminology used has been noted between the English version of Directive 76/757/EEC and the other language versions; whereas it is desirable to correct that language version;

Whereas the measures provided for in this Directive are in accordance with the opinion of the Committee for Adaptation to Technical Progress established by Directive 70/156/EEC,

HAS ADOPTED THIS DIRECTIVE:

*Article 1*

Directive 76/757/EEC is hereby amended as follows:

1. The title term 'reflex reflector(s)' is replaced by the term 'retro-reflectors'.

2. Article 1 (1) is replaced by the following:

'1. Each Member State shall grant EC component type-approval for any type of retro-reflector which satisfies the construction and texting requirements laid down in the relevant Annexes.'

3. The first paragraph of Article 2 is replaced by the following:

'Member States shall, for each type of retro-reflector which they approve pursuant to Article 1, issue to the manufacturer an EC component type-approval mark conforming to the model shown in Annex I, Appendix 3.'

4. Article 4 is replaced by the following:

*'Article 4*

The competent authorities of the Member States shall inform each other, by means of the procedure specified in Article 4 (6) of Directive 70/156/EEC, of each approval which they have granted, refused or withdrawn pursuant to this Directive.'

<sup>(1)</sup> OJ No L 42, 23. 2. 1970, p. 1.

<sup>(2)</sup> OJ No L 18, 21. 1. 1997, p. 7.

<sup>(3)</sup> OJ No L 262, 27. 9. 1976, p. 32.

<sup>(4)</sup> OJ No L 262, 27. 9. 1976, p. 1.

<sup>(5)</sup> See p. 1 of this Official Journal.

5. Article 9 is replaced by the following:

*'Article 9*

For the purposes of this Directive, "vehicle" means any motor vehicle intended for use on the road, with or without bodywork, having at least four wheels and a maximum design speed exceeding 25 km/h, and its trailers, with the exception of vehicles which run on rails and of agricultural and forestry tractors and all mobile machinery.'

6. The Annexes are replaced by the Annex to this Directive.

*Article 2*

1. From 1 January 1998, or, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, six months after the actual date of publication of these texts, Member States may not, on grounds relating to retro-reflectors:

- refuse, in respect of a type of vehicle or a type of retro-reflector, to grant EC type-approval or national type-approval, or
- prohibit the registration, sale or entry into service of vehicles, or the sale or entry into service of retro-reflectors,

provided that the retro-reflectors comply with the requirements of Directive 76/757/EEC, as amended by this Directive, and that, as far as vehicles are concerned, they are installed in accordance with the requirements laid down in Directive 76/756/EEC.

2. From 1 October 1998 Member States:

- shall no longer grant EC type-approval, and
- may refuse to grant national type-approval

for any type of vehicle on grounds relating to retro-reflectors, and for any type of retro-reflector, if the requirements of Directive 76/757/EEC, as amended by this Directive, are not fulfilled.

3. From 1 October 1999 the requirements of Directive 76/757/EEC relating to retro-reflectors as components, as amended by this Directive, shall be applicable for the purposes of Article 7 (2) of Directive 70/156/EEC.

4. Notwithstanding paragraphs 2 and 3 above, for the purposes of replacement parts Member States shall continue to grant EC type-approval of retro-reflectors, and to permit their sale and entry into service, in accordance with previous versions of Directive 76/757/EEC, provided that such retro-reflectors

- are intended to be fitted to vehicles already in use, and

- comply with the requirements of that Directive which were applicable when the vehicles were first registered.

*Article 3*

The paragraphs and annexes of UN-ECE Regulation No 3 referred to in Annex II, item 2.1, shall be published in the *Official Journal of the European Communities* before 1 July 1997.

*Article 4*

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by 1 January 1998; however, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, the Member States shall comply with this obligation six months after the actual date of publication of these texts. They shall forthwith inform the Commission thereof.

They shall apply those provisions from 1 January 1998, or, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, six months after the actual date of publication of those texts.

When Member States adopt these provisions, they shall contain a reference to this Directive or shall be accompanied by such reference at the time of their official publication. The procedure for such reference shall be adopted by Member States.

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

*Article 5*

This Directive shall enter into force on the 20 day following its publication in the *Official Journal of the European Communities*.

*Article 6*

This Directive is addressed to the Member States.

Done at Brussels, 11 June 1997.

For the Commission  
Martin BANGEMANN  
Member of the Commission

## ANNEX

## LIST OF ANNEXES

ANNEX I: Administrative provisions for type-approval

*Appendix 1:* Information document

*Appendix 2:* Type-approval certificate

*Appendix 3:* Models of the EC component type-approval mark

ANNEX II: Scope and technical requirements

## ANNEX I

## ADMINISTRATIVE PROVISIONS FOR TYPE-APPROVAL

## 1. APPLICATION FOR EC COMPONENT TYPE-APPROVAL

- 1.1. The application for EC component type-approval pursuant to Article 3 (4) of Directive 70/156/EEC of a type of retro-reflector shall be submitted by the manufacturer.
- 1.2. A model for the information document is given in Appendix 1.
- 1.3. The following must be submitted to the technical service responsible for conducting the type-approval tests:
  - 1.3.1. in the case of retro-reflectors of either Class I A or III A,
    - 1.3.1.1. ten (10) samples of the colour specified by the manufacturer;
    - 1.3.1.2. if necessary, two samples in other colour(s) for simultaneous or subsequent extension of the approval to retro-reflectors in other colour(s);
  - 1.3.2. in the case of retro-reflectors of Class IV A, ten (10) samples and, if necessary, the means of fixation.

## 2. MARKINGS

- 2.1. The devices submitted for EC component type-approval must bear:
  - 2.1.1. the trade name or mark of the manufacturer;
  - 2.1.2. the mark "TOP" appearing horizontally at the top of the illuminating surface, if required to determine unequivocally the angle or angles of rotation specified by the manufacturer.
- 2.2. These markings shall be clearly legible and indelible and shall be affixed to the illuminating surface, or to one of the illuminating surfaces, of the device. They shall be visible from the exterior when the device is fitted to the vehicle.
- 2.3. Each device shall have sufficient space for the component type-approval mark. This space shall be indicated on the drawings referred to in Appendix I.

## 3. GRANTING OF EC COMPONENT TYPE-APPROVAL

- 3.1. 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.
- 3.2. A model for the EC type-approval certificate is given in Appendix 2.
- 3.3. An approval number in accordance with Annex VII to Directive 70/156/EEC shall be assigned to each type of retro-reflector approved. The same Member State shall not assign the same number to another type of retro-reflector.
- 3.4. Where EC component type-approval is requested for a type of lighting and light-signalling device comprising a retro-reflector and other lamps, a single EC component type-approval number may be assigned provided that the retro-reflector complies with the requirements of this Directive and that each of the other lamps forming part of the lighting and light-signalling device for which EC component type-approval is requested complies with the separate Directive applying to it.

## 4. EC COMPONENT TYPE-APPROVAL MARK

- 4.1. In addition to the markings referred to in item 2.1. every retro-reflector conforming to the type approved pursuant to this Directive shall bear an EC component type-approval mark.

- 4.2. This mark shall consist of:
- 4.2.1. a rectangle surrounding the letter "e" followed by the distinguishing number or letters of the Member State which has granted type-approval:
- |                           |                   |
|---------------------------|-------------------|
| 1 for Germany             | 12 for Austria    |
| 2 for France              | 13 for Luxembourg |
| 3 for Italy               | 17 for Finland    |
| 4 for the Netherlands     | 18 for Denmark    |
| 5 for Sweden              | 21 for Portugal   |
| 6 for Belgium             | 23 for Greece     |
| 9 for Spain               | IRL for Ireland;  |
| 11 for the United Kingdom |                   |
- 4.2.2. in the vicinity of the rectangle the "base approval number" contained in section 4 of the type-approval number referred to in Annex VII of Directive 70/156/EEC, preceded by the two figures indicating the sequence number assigned to the most recent major technical amendment to Directive 76/757/EEC on the date EC type-approval was granted. In this Directive the sequence number is 02;
- 4.2.3. an additional symbol as follows:
- 4.2.3.1. "I A", "III A" or "IV A" denoting the class in which the retro-reflector was placed when approved.
- 4.3. The EC component type-approval mark shall be affixed to the light-emitting surface of the retro-reflector in such a way as to be indelible and clearly legible even when the retro-reflector is fitted to the vehicle.
- 4.4. Examples of the EC component type-approval mark are given in Appendix 3, Figure 1.
- 4.5. Where a single EC component type-approval number is issued, as per item 3.4 above, for a type of lighting and light-signalling device comprising a retro-reflector and other lamps, a single EC component type-approval mark may be affixed, consisting of:
- 4.5.1. a rectangle surrounding the letter "e" followed by the distinguishing number or letters of the Member State which has granted type-approval (see item 4.2.1);
- 4.5.2. the base approval number (see item 4.2.2, first half-sentence);
- 4.5.3. if necessary, the required arrow, in so far as it relates to the lamp assembly as a whole.
- 4.6. This mark may be located anywhere on the lamps which are grouped, combined or reciprocally incorporated, provided that:
- 4.6.1. it is visible after the installation of the lamps;
- 4.6.2. no light-transmitting components of the grouped, combined or reciprocally incorporated lamps can be removed without simultaneously removing the approval mark.
- 4.7. The identification symbol for each lamp corresponding to each Directive pursuant to which EC component type-approval was granted, together with the sequence number (see item 4.2.2, second half-sentence) and, where necessary, the letter "D" and the required arrow shall be marked:
- 4.7.1. either on the appropriate light-emitting surface;
- 4.7.2. or in a group, in such a way that each of the grouped, combined or reciprocally incorporated lamps may be clearly identified.
- 4.8. The dimensions of the components of this mark must not be less than the minimum dimensions specified for individual marks by the various Directives pursuant to which EC component type-approval was granted.

- 4.9. Examples of an EC component type-approval mark for a lamp that is grouped, combined or reciprocally incorporated with other lamps are given in Appendix 3, Figure 2.

5. MODIFICATIONS OF THE TYPE AND AMENDMENTS TO APPROVALS

- 5.1. In the case of modifications of the type approved pursuant to this Directive, the provisions of Article 5 of Directive 70/156/EEC shall apply.
- 5.2. Where type-approval is extended to a retro-reflector differing only in colour, the samples of each other colour, submitted in accordance with item 1.3.1.2 above, must meet only the colorimetric specifications; the other tests need not be repeated.

This paragraph does not apply to class IV A retro-reflectors.

6. CONFORMITY OF PRODUCTION

- 6.1. As a general rule, 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.
- 6.2. In mechanical and geometrical terms, conformity shall be considered satisfactory if the differences do not exceed the variations inherent in industrial production.
- 6.3. Conformity of production shall not be invalidated if all the photometric measurements performed on a specimen selected at random meet at least 80 % of the specification.
- 6.4. If the condition laid down in paragraph 6.3 is not met, a further sample of five units shall be selected at random. The average of each type of photometric measurement must meet the specification and no individual measurement may be less than 50 % of the specification.

## Appendix 1

## Information document No ...

## relating to the EC component type-approval of retro-reflectors

*(Directive 76/757/EEC, 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 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 and general commercial description(s): .....
- 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 approval mark: .....
- 0.8. Address(es) of assembly plant(s): .....

## 1. DESCRIPTION OF THE DEVICE .....

- 1.1. Type of device: .....
- 1.1.1. Device function(s): .....
- 1.1.2. Category or class of device: .....
- 1.1.3. Colour of the light emitted or reflected: .....
- 1.2. Drawing(s) in sufficient detail to permit identification of the type of the device and showing .....
- 1.2.1. in what geometrical position the device is to be mounted on the vehicle (not applicable to rear registration plate lamps): .....
- 1.2.2. the axis of observation to be taken as the axis of reference in the tests (horizontal angle  $H = 0^\circ$ , vertical angle  $V = 0^\circ$ ) and the point to be taken as the centre of reference in the said tests (not applicable to retro-reflecting devices and rear registration plate lamps): .....
- 1.2.3. the position intended for the EC component type-approval mark: .....
- 1.2.4. for rear registration plate lamps, the geometrical position in which the device is to be fitted in relation to the space to be occupied by the registration plate, and the outline of the area adequately illuminated: .....
- 1.2.5. for headlamps and front fog lamps, a frontal view of the lamps with details of lens ribbing, if any, and the cross section: .....
- 1.3. A brief technical description stating, in particular, with the exception of lamps with non-replaceable light sources, the category or categories of light sources prescribed which shall be one or more of those contained in Directive 76/761/EEC (not applicable to retro-reflecting devices):  
.....
- 1.4. Specific information .....

- 1.4.1. For rear registration plate lamps, a statement whether the device is intended to illuminate a wide/tall/both wide and tall plate: .....
- 1.4.2. For headlamps, .....
- 1.4.2.1. information whether the headlamp is intended to provide both a dipped beam and main beam or only one of those beams: .....
- 1.4.2.2. information in case the headlamp is intended to provide a dipped beam, if it is designed for both left-hand and right-hand traffic or for either left-hand or right-hand traffic only: .....
- 1.4.2.3. if the headlamp is equipped with an adjustable reflector, an indication of the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only: .....
- 1.4.3. For position lamps, stop lamps and direction indicators, .....
- 1.4.3.1. if the device may also be used in an assembly of two lamps of the same category: .....
- 1.4.3.2. in the case of device with two levels of intensity (stop lamps and category 2b direction indicators) arrangement diagram and specification of the characteristics of the system ensuring the two levels of intensity: .....
- 1.4.4. For retro-reflecting devices, a brief description giving the technical specifications of the materials of the retro-reflecting optical unit: .....
- 1.4.5. For reversing lamps, a statement whether the device is intended to be installed on a vehicle exclusively in a pair of devices: .....

## Appendix 2

## MODEL

(maximum format: A4 (210 × 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 a vehicle/component/separate technical unit<sup>(1)</sup> with regard to Directive .../.../EEC, as last amended by Directive .../.../EC

Type-approval number: .....

Reason for extension: .....

## SECTION I

- 0.1. Make (trade name of manufacturer): .....
- 0.2. Type and general commercial description(s): .....
- 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 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 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.

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

<sup>(2)</sup> If the means of identification of type contains characters not relevant to describe 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 Annex II A to Directive 70/156/EEC.

#### *Addendum to EC type-approval certificate No ...*

concerning the component type-approval of a lighting and/or light-signalling device with regard to Directive(s) 76/757/EEC; 76/758/EEC; 76/759/EEC; 76/760/EEC; 76/761/EEC; 76/762/EEC; 77/538/EEC; 77/539/EEC and 77/540/EEC<sup>(1)</sup> as last amended by Directive(s) ...

#### 1. ADDITIONAL INFORMATION

##### 1.1. Where applicable, indicate for each lamp

- 1.1.1. The category(ies) of the device(s): .....
- 1.1.2. The number and category of light sources (not applicable to retro-reflector)<sup>(2)</sup> .....
- 1.1.3. The colour of the light emitted or reflected: .....
- 1.1.4. Approval granted solely for use as a replacement part on vehicles already in service: Yes/No<sup>(1)</sup> ....

##### 1.2. Specific information for certain types of lighting or light-signalling devices .....

- 1.2.1. For retro-reflecting devices: In isolation/part of an assembly of devices<sup>(1)</sup> .....
- 1.2.2. For rear registration plate lamps: Device for illuminating a tall plate/a wide plate<sup>(1)</sup> .....
- 1.2.3. For headlamps: If equipped with an adjustable reflector, the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only: .....
- 1.2.4. For reversing lamps: This device shall be installed on a vehicle type only as part of a pair of devices: Yes/No<sup>(1)</sup> .....

#### 5. REMARKS

##### 5.1. Drawings

- 5.1.1. For rear registration plate lamps: the attached drawing No ... shows the geometric position in which the device is to be fitted in relation to the space to be occupied by the registration plate, and the outline of the area adequately illuminated;
- 5.1.2. For retro-reflecting devices: the attached drawing No ... shows the geometric position in which the device is to be fitted to the vehicle;
- 5.1.3. For all other lighting and light-signalling devices: the attached drawing No ... shows the geometric position in which the device is to be fitted to the vehicle, and the axis of reference and centre of reference of the device.
- 5.2. For headlamps: Operating mode used during the test (item 5.2.3.9 of Annex I to Directive 76/761/EEC): .....

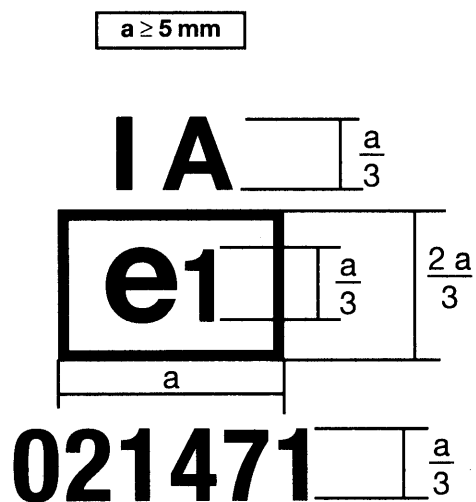
<sup>(1)</sup> Delete where not applicable.

<sup>(2)</sup> For lamps with non-replaceable light sources, indicate the number and the total wattage of the light sources.

## Appendix 3

## EXAMPLES OF THE EC COMPONENT TYPE-APPROVAL MARK

Figure 1



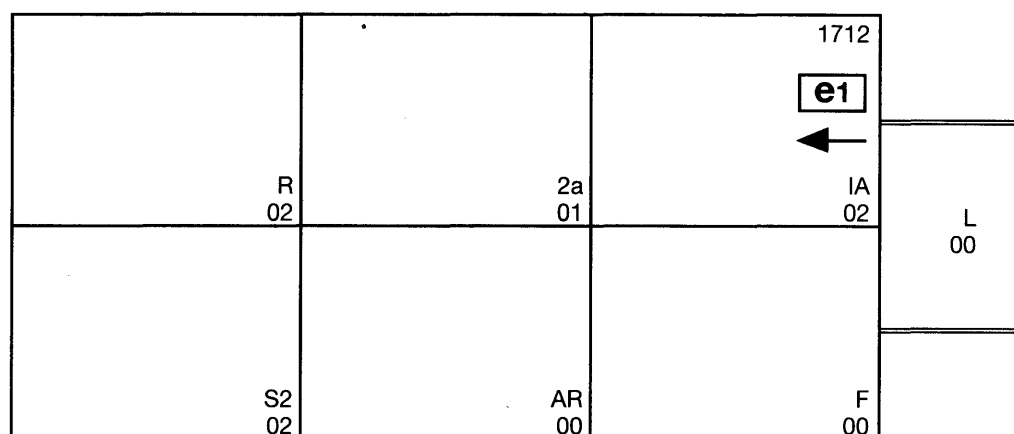
The device bearing the EC component type-approval mark shown above is a class I A retro-reflector, type approved in Germany (e1) pursuant to this Directive (02) under the base approval number 1471.

Figure 2

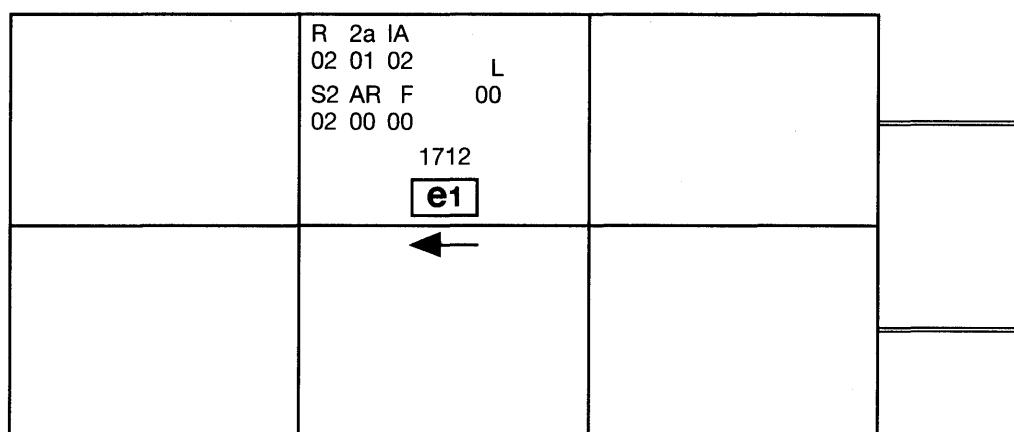
Simplified marking of grouped, combined or reciprocally incorporated lamps when two or more lamps are part of the same assembly

(The vertical and horizontal lines schematize the shape of the light-signalling device. These are not part of the approval mark).

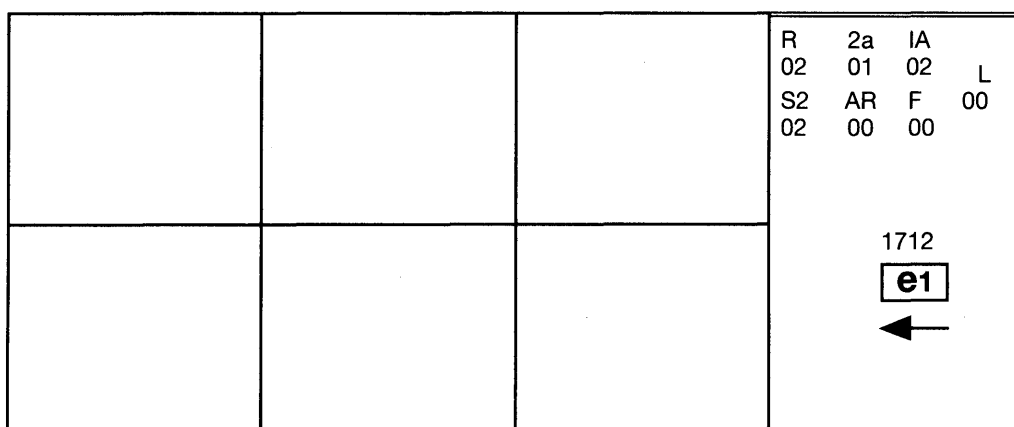
MODEL A



MODEL B



MODEL C



*Note:* The three examples of approval marks, models A, B, and C represent three possible variants of the marking of a lighting and light-signalling device when two or more lamps are part of the same unit of grouped, combined or reciprocally incorporated lamps. This approval mark shows that the device was approved in Germany (e1) under the base approval number 1712 and comprises:

A retro-reflector of class 1A approved in accordance with Directive 76/757/EEC, sequence No 02;

A rear direction indicator of category 2a approved in accordance with Council Directive 76/759/EEC (OJ No L 262, 27. 9. 1976, p. 71), sequence No 01;

A red rear position lamp (R) approved in accordance with Annex II to Council Directive 76/758/EEC (OJ No L 262, 27. 9. 1976, p. 54), sequence No 02;

A rear fog lamp (F) approved in accordance with Council Directive 77/538/EEC, sequence No 00;

A reversing lamp (AR) approved in accordance with Council Directive 77/539/EEC (OJ No L 220, 29. 8. 1977, p. 60), sequence No 00;

A stop lamp with two levels of intensity (S2) approved in accordance with Annex II to Directive 76/758/EEC, sequence No 02;

A rear registration plate lamp (L) approved in accordance with Council Directive 76/760/EEC (OJ No L 262, 27. 9. 1976, p. 85), sequence No 00.

---

## ANNEX II

## SCOPE AND TECHNICAL REQUIREMENTS

## 1. SCOPE

This Directive applies to retro-reflectors for motor vehicles and their trailers.

## 2. TECHNICAL REQUIREMENTS

2.1. The technical requirements are those set out in paragraphs 2, 6 and 7 and Annexes 1 and 4 to 15 of UN-ECE Regulation No 3 which consists of a consolidation of the following documents:

- the 01 and 02 series of amendments<sup>(1)</sup>;
- the Supplement 1 to 02 series of amendments<sup>(2)</sup>;
- the Supplement 2 to 02 series of amendments<sup>(3)</sup>;
- the Supplement 3 to 02 series of amendments<sup>(4)</sup>,

except that:

2.1.1. Where reference is made to "Regulation No 48", this shall be understood as "Directive 76/756/EEC".

---

|                                  |   |                                     |
|----------------------------------|---|-------------------------------------|
| ( <sup>1</sup> ) E/ECE/324       | } | Add.2/Rev.1 and ... /Rev.1/Amend.1. |
| E/ECE/TRANS/505                  |   |                                     |
| ( <sup>2</sup> ) E/ECE/324       | } | Add.2/Rev.1/Amend.2.                |
| E/ECE/TRANS/505                  |   |                                     |
| ( <sup>3</sup> ) E/ECE/324       | } | Add.6/Rev.1/Amend.3.                |
| E/ECE/TRANS/505                  |   |                                     |
| ( <sup>4</sup> ) TRANS/WP29/446. |   |                                     |

## COMMISSION DIRECTIVE 97/30/EC

of 11 June 1997

**adapting to technical progress Council Directive 76/758/EEC relating to the end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps for motor vehicles and their trailers**

(Text with EEA relevance)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Council Directive 70/156/EEC relating to the type-approval of motor vehicles and their trailers<sup>(1)</sup>, as last amended by European Parliament and Council Directive 96/79/EC<sup>(2)</sup>, and in particular Article 13 (2) thereof,

Having regard to Council Directive 76/758/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to the end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps for motor vehicles and their trailers<sup>(3)</sup>, as last amended by the Act of Accession of Austria, Finland and Sweden, and in particular Article 10 thereof,

Whereas Directive 76/758/EEC is one of the separate Directives of the EC type-approval procedure which has been established by Directive 70/156/EEC; whereas, consequently, the provisions laid down in Directive 70/156/EEC relating to vehicle systems, components and separate technical units apply to this Directive;

Whereas, in particular, Articles 3 (4) and 4 (3) of Directive 70/156/EEC require each separate Directive to have attached to it an information document and also a type-approval certificate based on Annex VI to that Directive in order that type-approval may be computerized; whereas the type-approval certificate(s) provided for in Directive 76/758/EEC must be amended accordingly;

Whereas the procedures need to be simplified in order to maintain the equivalence, established by Article 9 (2) of Directive 70/156/EEC, between certain separate Directives and the corresponding regulations of the United Nations' Economic Commission for Europe when the said regulations are amended; whereas, as a first step, the technical requirements of Directive 76/758/EEC need to be replaced by those of Regulations No 7, 87 and 91 by way of cross-reference;

Whereas it is necessary to include daytime running lamps, third stop lamps and side marker lamps within the scope of Directive 76/758/EEC;

Whereas reference is made to Council Directive 76/756/EEC<sup>(4)</sup>, as last amended by Commission Directive 97/28/EC<sup>(5)</sup>, and to Council Directive 76/761/EEC<sup>(6)</sup>, as last amended by the Act of Accession of Austria, Finland and Sweden;

Whereas the measures provided for in this Directive are in accordance with the opinion of the Committee for Adaptation to Technical Progress established by Directive 70/156/EEC,

HAS ADOPTED THIS DIRECTIVE:

*Article 1*

Directive 76/758/EEC is hereby amended as follows:

1. The title is replaced by the following:

'on the approximation of the laws of the Member States relating to the end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps for motor vehicles and their trailers.'

2. Article 1 (1) is replaced by the following:

'1. Member States shall grant EC component type-approval in respect of any type of end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps which satisfies the construction and testing requirements laid down in the relevant Annexes.'

3. Articles 2, 3 and 4 are replaced by the following:

*Article 2*

Member States shall for each type of end-outline marker lamp, front position (side) lamp, rear position

<sup>(1)</sup> OJ No L 42, 23. 2. 1970, p. 1.

<sup>(2)</sup> OJ No L 18, 21. 1. 1997, p. 7.

<sup>(3)</sup> OJ No L 262, 27. 9. 1976, p. 54.

<sup>(4)</sup> OJ No L 262, 27. 9. 1976, p. 1.

<sup>(5)</sup> See p. 1 of this Official Journal.

<sup>(6)</sup> OJ No L 262, 27. 9. 1976, p. 96.

(side) lamp, stop lamp, daytime running lamp and side marker lamp which they approve pursuant to Article 1, issue to the manufacturer an EC component type-approval mark conforming to the models shown in Annex I, Appendix 3.

Member States shall take all appropriate measures to prevent the use of marks liable to create confusion between end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps which have been type-approved pursuant to Article 1, and other devices.

#### Article 3

1. No Member State may prohibit the placing on the market of end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps on grounds relating to their construction or method of functioning if they bear the EC component type-approval mark.

2. Nevertheless, a Member State may prohibit the placing on the market of end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps bearing the EC component type-approval mark which consistently fail to conform to the approved type.

That State shall forthwith inform the other Member States and the Commission of the measures taken, specifying the reasons for its decision.

#### Article 4

The competent authorities of the Member States shall inform each other, by means of the procedure specified in Article 4 (6) of Directive 70/156/EEC, of each approval which they have granted, refused or withdrawn pursuant to this Directive.'

#### 4. Article 5 (1) is replaced by the following:

'1. If the Member State which has granted EC component type-approval finds that a number of end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps bearing the same EC component type-approval mark do not conform to the type which it has approved, it shall take the necessary measures to ensure that production models conform to the approved type. The competent authorities of that State shall advise those of the other Member States of the measures taken, which may, where there is consistent failure to conform, extend to withdrawal of EC component type-approval. The said authorities shall take the same measures if they

are informed by the competent authorities of another Member State of such failure to conform.'

#### 5. Articles 6 to 9 are replaced by the following:

##### 'Article 6

Any decision taken pursuant to the provisions adopted in implementation of this Directive, to refuse or withdraw EC component type-approval for end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps, or prohibit their placing on the market or use shall set out in detail the reasons on which it is based. Such decisions shall be notified to the party concerned, who shall at the same time be informed of the remedies available to him under the laws in force in the Member States and of the time limits allowed for the exercise of such remedies.

##### Article 7

No Member State may refuse to grant EC type-approval or national type-approval of any vehicle on grounds relating to its end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps if these bear the EC component type-approval mark and are fitted in accordance with the requirements laid down in Directive 76/756/EEC.

##### Article 8

No Member State may refuse or prohibit the sale, registration, entry into service or use of any vehicle on grounds relating to its end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps if these bear the EC component type-approval mark and are fitted in accordance with the requirements laid down in Directive 76/756/EEC.

##### Article 9

For the purposes of this Directive, "vehicle" means any motor vehicle intended for use on the road, with or without bodywork, having at least four wheels and a maximum design speed exceeding 25 km/h, and its trailers, with the exception of vehicles which run on rails and of agricultural and forestry tractors and all mobile machinery.'

#### 6. The Annexes are replaced by the Annex to this Directive.

##### Article 2

1. From 1 January 1998, or, if publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, six months after the actual date of publication of these texts, Member States may not, on grounds relating to end-outline marker lamps, front position (side) lamps,

rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps:

- refuse, in respect of a type of vehicle or a type of lamp mentioned above, to grant EC type-approval or national type-approval, or
- prohibit the registration, sale or entry into service of vehicles, or the sale or entry into service of end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps,

provided that the lamps comply with the requirements of Directive 76/758/EEC, as amended by this Directive, and that, as far as vehicles are concerned, they are installed in accordance with the requirements laid down in Directive 76/756/EEC.

2. From 1 October 1998 Member States:

- shall no longer grant EC type-approval, and
- may refuse to grant national type-approval

for any type of vehicle on grounds relating to end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps, and for any type of end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamp, daytime running lamp and side marker lamp, if the requirements of Directive 76/758/EEC, as amended by this Directive, are not fulfilled.

3. From 1 October 1999 the requirements of Directive 76/758/EEC relating to end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps as components, as amended by this Directive, are applicable for the purposes of Article 7 (2) of Directive 70/156/EEC.

4. Notwithstanding paragraphs 2 and 3 above, for the purposes of replacement parts, Member States shall continue to grant EC type-approval of end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps, and to permit their sale and entry into service, in accordance with previous versions of Directive 76/758/EEC, provided that such lamps

- are intended to be fitted to vehicles already in use; and
- comply with the requirements of that Directive which were applicable when the vehicles were first registered.

#### Article 3

The paragraphs and annexes of UN-ECE Regulations No 7, 87 and 91 referred to in Annexes II, III and IV, items 2.1, shall be published in the *Official Journal of the European Communities* before 1 July 1997.

#### Article 4

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by 1 January 1998; however, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, the Member States shall comply with this obligation six months after the actual date of publication of these texts. They shall forthwith inform the Commission thereof.

They shall apply those provisions from 1 January 1998, or, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, six months after the actual date of publication of these texts.

When Member States adopt these provisions, these shall contain a reference to this Directive or shall be accompanied by such reference at the time of their official publication. The procedure for such reference shall be adopted by Member States.

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

#### Article 5

This Directive shall enter into force on the 20 day following its publication in the *Official Journal of the European Communities*.

#### Article 6

This Directive is addressed to the Member States.

Done at Brussels, 11 June 1997.

For the Commission

Martin BANGEMANN

Member of the Commission

## ANNEX

## ‘LIST OF ANNEXES

ANNEX I: Administrative provisions for type-approval

*Appendix 1:* Information document

*Appendix 2:* Type-approval certificate

*Appendix 3:* Models of the EC component type-approval mark

ANNEX II: Scope and technical requirements for end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps

ANNEX III: Scope and technical requirements for daytime running lamps

ANNEX IV: Scope and technical requirements for side marker lamps

## ANNEX I

## ADMINISTRATIVE PROVISIONS FOR TYPE-APPROVAL

1. THIS ANNEX DEALS WITH THE COMPONENT TYPE-APPROVAL OF
  - 1.1. end-outline marker lamps, front position (side) lamps, rear position (side) lamps and stop lamps intended for use on motor vehicles and their trailers and complying with the requirements set out in Annex II;
  - 1.2. daytime running lamps intended for use on motor vehicles and complying with the requirements set out in Annex III;
  - 1.3. side marker lamps intended for use on motor vehicles and their trailers and complying with the requirements set out in Annex IV.
2. APPLICATION FOR EC COMPONENT TYPE-APPROVAL
  - 2.1. The application for EC component type-approval pursuant to Article 3 (4) of Directive 70/156/EEC of a type of end-outline marker lamp, front position (side) lamp, rear position (side) lamp, stop lamp, daytime running lamp and side marker lamp shall be submitted by the manufacturer.
  - 2.2. A model for the information document is given in Appendix 1.
  - 2.3. The following must be submitted to the technical service responsible for conducting the type-approval tests:
    - 2.3.1. Two samples, equipped with the lamp or lamps recommended; if the approval is applied for devices which are not identical but are symmetrical and suitable for mounting one on the left and one on the right side of the vehicle, and/or, alternatively, one towards the front and one towards the rear, the two samples submitted may be identical and be suitable for mounting only on the right or only on the left side of the vehicle and/or, alternatively, only towards the front or only towards the rear; in the case of a stop lamp with two levels of intensity, the application shall also be accompanied by two samples of the parts constituting the system which ensures two levels of intensity.
3. MARKINGS
  - 3.1. The devices submitted for EC component type-approval must bear:
    - 3.1.1. the trade name or mark of the manufacturer;
    - 3.1.2. in the case of lamps with replaceable light sources: the type(s) of filament lamp prescribed;
    - 3.1.3. in the case of lamps with non-replaceable light sources: the nominal voltage and wattage.
  - 3.2. These markings shall be clearly legible and indelible and shall be affixed to the illuminating surface, or to one of the illuminating surfaces, of the device. They shall be visible from the exterior when the device is fitted to the vehicle.
  - 3.3. Each device shall have sufficient space for the component type-approval mark. This space shall be indicated on the drawings referred to in Appendix 1.
4. GRANTING OF EC COMPONENT TYPE-APPROVAL
  - 4.1. 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.
  - 4.2. A model for the EC type-approval certificate is given in Appendix 2.
  - 4.3. An approval number in accordance with Annex VII to Directive 70/156/EEC shall be assigned to each type of end-outline marker lamp, front position (side) lamp, rear position (side) lamp, stop lamp, daytime running lamp and side marker lamp approved. The same Member State shall not assign the same number to another type of end-outline marker lamp, front position (side) lamp, rear position (side) lamp, stop lamp, daytime running lamp and side marker lamp.

- 4.4. Where EC component type-approval is requested for a type of lighting and light-signalling device comprising an end-outline marker lamp, front position (side) lamp, rear position (side) lamp, stop lamp, daytime running lamp or side marker lamp and other lamps, a single EC component type-approval number may be assigned provided that the end-outline marker lamp, front position (side) lamp, rear position (side) lamp, stop lamp, daytime running lamp or side marker lamp complies with the requirements of this Directive and that each of the other lamps forming part of the lighting and light-signalling device for which EC component type-approval is requested complies with the separate Directive applying to it.

## 5. EC COMPONENT TYPE-APPROVAL MARK

- 5.1. In addition to the markings referred to in item 3.1, every end-outline marker lamp, front position (side) lamp, rear position (side) lamp, stop lamp, daytime running lamp and side marker lamp conforming to the type approved pursuant to this Directive shall bear an EC component type-approval mark.

- 5.2. This mark shall consist of:

- 5.2.1. a rectangle surrounding the letter 'e' followed by the distinguishing number or letters of the Member State which has granted type-approval:

|                           |                   |
|---------------------------|-------------------|
| 1 for Germany             | 12 for Austria    |
| 2 for France              | 13 for Luxembourg |
| 3 for Italy               | 17 for Finland    |
| 4 for the Netherlands     | 18 for Denmark    |
| 5 for Sweden              | 21 for Portugal   |
| 6 for Belgium             | 23 for Greece     |
| 9 for Spain               | IRL for Ireland;  |
| 11 for the United Kingdom |                   |

- 5.2.2. in the vicinity of the rectangle the 'base approval number' contained in section 4 of the type-approval number referred to in Annex VII of Directive 70/156/EEC, preceded by the two figures indicating the sequence number assigned to the most recent major technical amendment to the relevant Annex of Directive 76/758/EEC on the date EC type-approval was granted. In this Directive the sequence number is

- 02 for Annex II,
- 00 for Annex III,
- 00 for Annex IV;

- 5.2.3. (an) additional symbol(s) as follows:

- 5.2.3.1. on devices meeting the requirements of this Directive in respect of the front end-outline marker lamps and position (side) lamps, the letter 'A';
- 5.2.3.2. on devices meeting the requirements of this Directive in respect of the rear end-outline marker lamps and position (side) lamps, the letter 'R';
- 5.2.3.3. on devices meeting the requirements of this Directive in respect of the stop lamps, the letter 'S' followed by the figure '1' when the device has one level of intensity, by the figure '2' when the device has two levels of intensity and by the figure '3' when the device meets the specific requirements for category S3 stop lamps;
- 5.2.3.4. on devices comprising both a rear position (side) lamp and a stop lamp meeting the requirements of this Directive in respect of such lamps, the letters 'R' and 'S1' or 'S2', as the case may be, separated by a horizontal dash;
- 5.2.3.5. on devices meeting the requirements of this Directive in respect of the daytime running lamps, the letter 'RL';
- 5.2.3.6. on devices meeting the requirements of this Directive in respect of the side marker lamps, one of the symbols 'SM1' or 'SM2' depending on the category of the devices;
- 5.2.3.7. on front or rear position lights of which the visibility angles are asymmetrical with regard to the reference axis in a horizontal direction, an arrow pointing towards the side on which the photometric specifications are met up to an angle of 80° H;

- 5.2.3.8. on lamps which may be used as single lamps and as part of an assembly of two lamps, the additional letter 'D' to the right of the symbol mentioned in paragraphs 5.2.3.1 to 5.2.3.4.
- 5.3. The EC component type-approval mark shall be affixed to the lens of the lamp or one of the lenses in such a way as to be indelible and clearly legible even when the lamps are fitted to the vehicle.
- 5.4. Arrangement of the approval mark.
- 5.4.1. Independent lamps:
- Examples of the EC component type-approval mark are given in Appendix 3, Figure 1.
- 5.4.2. Grouped, combined or reciprocally incorporated lamps:
- 5.4.2.1. Where a single EC component type-approval number is issued, as per item 4.4 above, for a type of lighting and light-signalling device comprising an end-outline marker lamp, a front position (side) lamp, a rear position (side) lamp, a stop lamp, a daytime running lamp, a side marker lamp and other lamps, a single EC component type-approval mark may be affixed, consisting of:
- 5.4.2.1.1. a rectangle surrounding the letter 'e' followed by the distinguishing number or letters of the Member State which has granted type-approval (see item 5.2.1);
- 5.4.2.1.2. the base approval number (see item 5.2.2, first half-sentence);
- 5.4.2.1.3. if necessary, the required arrow, in so far as it relates to the lamp assembly as a whole.
- 5.4.2.2. This mark may be located anywhere on the lamps which are grouped, combined or reciprocally incorporated provided that:
- 5.4.2.2.1. it is visible after the installation of the lamps;
- 5.4.2.2.2. no light-transmitting components of the grouped, combined or reciprocally incorporated lamps can be removed without simultaneously removing the approval mark.
- 5.4.2.3. The identification symbol for each lamp corresponding to each Directive pursuant to which EC component type-approval was granted, together with the sequence number (see item 5.2.2, second half-sentence) and, where necessary, the letter 'D' and the required arrow shall be marked:
- 5.4.2.3.1. either on the appropriate light-emitting surface;
- 5.4.2.3.2. or in a group, in such a way that each of the grouped, combined or reciprocally incorporated lamps may be clearly identified.
- 5.4.2.4. The dimensions of the components of this mark must not be less than the minimum dimensions specified for individual marks by the various Directives pursuant to which EC component type-approval was granted.
- 5.4.2.5. Examples of an EC component type-approval mark for a lamp that is grouped, combined or reciprocally incorporated with other lamps are given in Appendix 3, Figure 2.
- 5.4.3. Lamps reciprocally incorporated with other lamps, of which the lens may also be used for other types of headlamps:
- 5.4.3.1. the provisions laid down in item 5.4.2 above shall apply;
- 5.4.3.2. in addition, where the same lens is used, the latter may bear the different approval marks relating to the different types of headlamps or units of lamps, provided that the main body of the headlamp, even if it cannot be separated from the lens, also comprises the space described in item 3.3 above and bears the approval marks of the actual functions;
- 5.4.3.3. if different types of headlamps comprise the same main body, the latter may bear the different approval marks.
- 5.4.3.4. Examples of an EC component type-approval mark for lamps reciprocally incorporated with a headlamp are given in Appendix 3, Figure 3.

## 6. MODIFICATIONS OF THE TYPE AND AMENDMENTS TO APPROVALS

- 6.1. In the case of modifications of the type approved pursuant to this Directive, the provisions of Article 5 of Directive 70/156/EEC shall apply.

7. CONFORMITY OF PRODUCTION

- 7.1. As a general rule, 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.
- 7.2. Every device referred to in item 1.1 above shall comply with the photometric and calorimetric conditions specified in paragraphs 6 and 8(\*). Nevertheless, in the case of a device picked at random from series production, the requirements as to minimum intensity of the light emitted (measured with a standard lamp as referred to in paragraph 7(\*)) shall be limited in each relevant direction to 80 % of the minimum values specified in paragraphs 6.1 and 6.2(\*).
- 7.3. Every device referred to in item 1.2 above shall comply with the requirements specified in paragraphs 7, 8, 9 and 11(\*\*). Nevertheless, in the case of a device picked at random from series production, the requirements as to minimum and maximum intensity of the light emitted (measured with a standard lamp as referred to in paragraph 10(\*\*)) shall be at least 80 % of the minimum values specified in paragraphs 7.1 and 7.2(\*\*) and shall not exceed 120 % of the maximum values specified in paragraph 7.3(\*\*).
- 7.4. Every device referred to in item 1.3 above shall comply with the requirements specified in paragraphs 7, and 8(\*\*\*). Nevertheless, in the case of a device picked at random from series production, the intensity of the light emitted in each relevant direction shall be at least 80 % of the minimum values and shall not exceed 120 % of the maximum values specified in paragraph 7.1(\*\*\*).

(\*) Of the document referred to in item 2.1 of Annex II to this Directive.

(\*\*) Of the document referred to in item 2.1 of Annex III to this Directive.

(\*\*\*) Of the document referred to in item 2.1 of Annex IV to this Directive.

## Appendix 1

## Information document No ...

relating to the EC component type-approval of end-outline marker lamps, front position (side) lamps, rear position (side) lamps, stop lamps, daytime running lamps and side marker lamps for motor vehicles and their trailers

(Directive 76/758/EEC, 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 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 and general commercial description(s): .....

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 approval mark: .....

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

## 1. DESCRIPTION OF THE DEVICE

1.1. Type of device: .....

1.1.1. Device function(s): .....

1.1.2. Category or class of device: .....

1.1.3. Colour of the light emitted or reflected: .....

1.2. Drawing(s) in sufficient detail to permit identification of the type of the device and showing .....

1.2.1. in what geometrical position the device is to be mounted on the vehicle (not applicable to rear registration plate lamps): .....

1.2.2. the axis of observation to be taken as the axis of reference in the tests (horizontal angle  $H = 0^\circ$ , vertical angle  $V = 0^\circ$ ) and the point to be taken as the centre of reference in the said tests (not applicable to retro-reflecting devices and rear registration plate lamps): .....

1.2.3. the position intended for the EC component type-approval mark: .....

1.2.4. for rear registration plate lamps, the geometrical position in which the device is to be fitted in relation to the space to be occupied by the registration plate, and the outline of the area adequately illuminated: .....

1.2.5. for headlamps and front fog lamps, a frontal view of the lamps with details of lens ribbing, if any, and the cross section: .....

1.3. A brief technical description stating, in particular, with the exception of lamps with non-replaceable light sources, the category or categories of light sources prescribed which shall be one or more of those contained in Directive 76/761/EEC (not applicable to retro-reflecting devices): .....

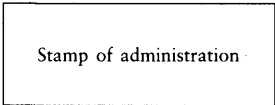
- 1.4. Specific information .....
- 1.4.1. For rear registration plate lamps, a statement whether the device is intended to illuminate a wide/tall/both wide and tall plate: .....
- 1.4.2. For headlamps, .....
- 1.4.2.1. information whether the headlamp is intended to provide both a dipped beam and main beam or only one of those beams: .....
- 1.4.2.2. information in case the headlamp is intended to provide a dipped beam, if it is designed for both left-hand and right-hand traffic or for either left-hand or right-hand traffic only: .....
- 1.4.2.3. if the headlamp is equipped with an adjustable reflector, an indication of the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only: .....
- 1.4.3. For position lamps, stop lamps and direction indicators.....
- 1.4.3.1. if the device may also be used in an assembly of two lamps of the same category: .....
- 1.4.3.2. in the case of devices with two levels of intensity (stop lamps and category 2b direction indicators), arrangement diagram and specification of the characteristics of the system ensuring the two levels of intensity: .....
- 1.4.4. For retro-reflecting devices, a brief description giving the technical specifications of the materials of the retro-reflecting optical unit: .....
- 1.4.5. For reversing lamps, a statement whether the device is intended to be installed on a vehicle exclusively in a pair of devices: .....

Appendix 2

MODEL

(maximum format: A4 (210 × 297 mm))

EC TYPE-APPROVAL CERTIFICATE



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

Type-approval number: .....

Reason for extension: .....

SECTION I

- 0.1. Make (trade name of manufacturer): .....
- 0.2. Type and general commercial description(s): .....
- 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 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 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.

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

<sup>(2)</sup> If the means of identification of type contains characters not relevant to describe 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 Annex II A to Directive 70/156/EEC.

#### *Addendum to EC type-approval certificate No ...*

concerning the component type-approval of a lighting and/or light-signalling device with regard to Directive(s) 76/757/EEC; 76/758/EEC; 76/759/EEC; 76/760/EEC; 76/761/EEC; 76/762/EEC; 77/538/EEC; 77/539/EEC and 77/540/EEC<sup>(1)</sup> as last amended by Directive(s) ...

#### **1. Additional information**

##### **1.1. Where applicable, indicate for each lamp**

- 1.1.1. The category(ies) of the device(s): .....
- 1.1.2. The number and category of light sources (not applicable to retro reflector<sup>(2)</sup>): .....
- 1.1.3. The colour of the light emitted or reflected: .....
- 1.1.4. Approval granted solely for use as a replacement part on vehicles already in service: Yes/No<sup>(1)</sup>

##### **1.2. Specific information for certain types of lighting or light-signalling devices**

- 1.2.1. For retro-reflecting devices: In isolation/part of an assembly of devices<sup>(1)</sup>
- 1.2.2. For rear registration plate lamps: Device for illuminating a tall plate/a wide plate<sup>(1)</sup>
- 1.2.3. For headlamps: If equipped with an adjustable reflector, the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only: .....
- 1.2.4. For reversing lamps: This device shall be installed on a vehicle only as part of a pair of devices: Yes/No<sup>(1)</sup>

#### **5. Remarks**

##### **5.1. Drawings**

- 5.1.1. For rear registration plate lamps: the attached drawing No ... shows the geometric position in which the device is to be fitted in relation to the space to be occupied by the registration plate, and the outline of the area adequately illuminated;
- 5.1.2. for retro-reflecting devices: the attached drawing No ... shows the geometric position in which the device is to be fitted to the vehicle;
- 5.1.3. For all other lighting and light-signalling devices: the attached drawing No ... shows the geometric position in which the device is to be fitted to the vehicle, and the axis of reference and centre of reference of the device.
- 5.2. For headlamps: Operating mode used during the test (item 5.2.3.9 of Annex I to Directive 76/761/EEC): .....

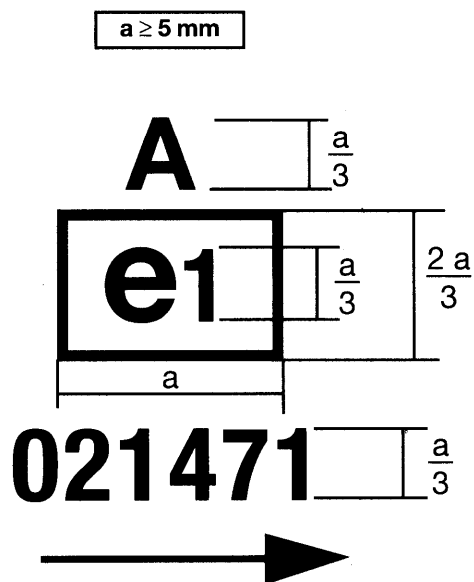
<sup>(1)</sup> Delete where not applicable.

<sup>(2)</sup> For lamps with non-replaceable light sources, indicate the number and the total wattage of the light sources.

## Appendix 3

## EXAMPLES OF THE EC COMPONENT TYPE-APPROVAL MARK

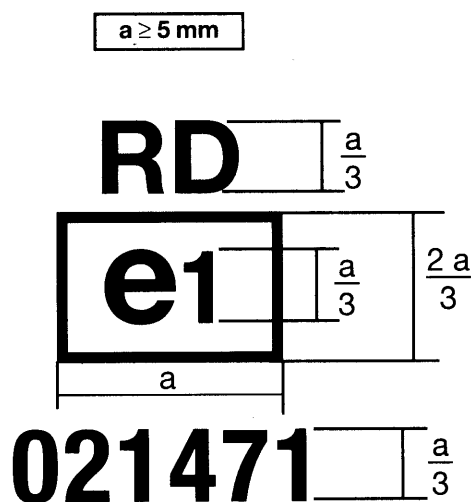
Figure 1a



The device bearing the EC component type-approval mark shown above is a front position (side) lamp, type-approved in Germany (e1) pursuant to Annex II to this Directive (02) under the base approval number 1471.

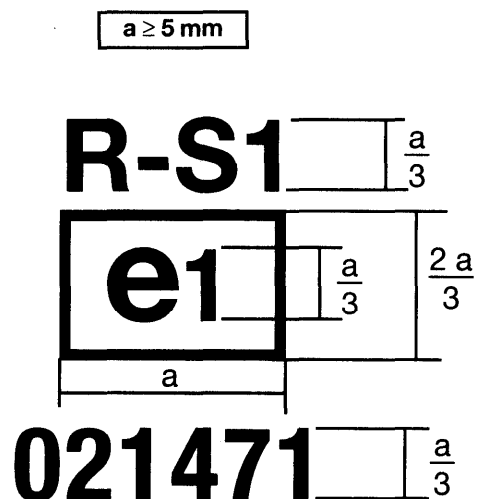
The arrow indicates the side on which the required photometric specifications are met up to an angle of  $80^\circ \text{H}$ .

Figure 1b



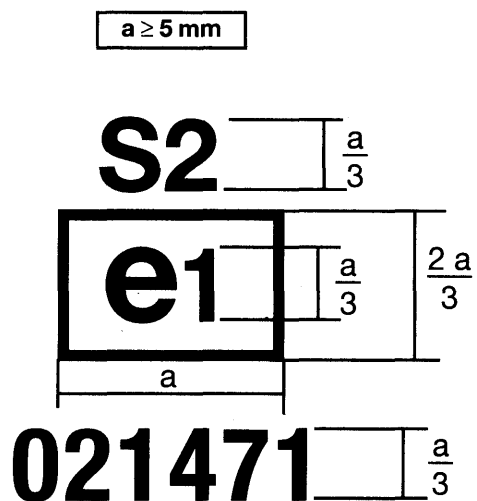
The device bearing the EC component type-approval mark shown above is a rear position (side) lamp, type-approved in Germany (e1) pursuant to Annex II to this Directive (02) under the base approval number 1471, which may also be used in an assembly of two rear position (side) lamps.

Figure 1c



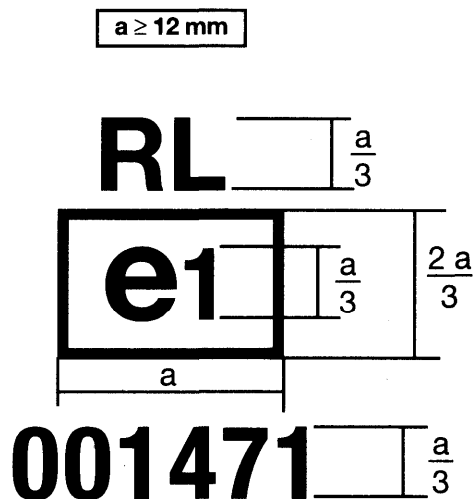
The device bearing the EC component type-approval mark shown above is a device comprising both a rear position (side) lamp and a stop lamp with one level of intensity, type-approved in Germany (e1) pursuant to Annex II to this Directive (02) under the base approval number 1471.

Figure 1d



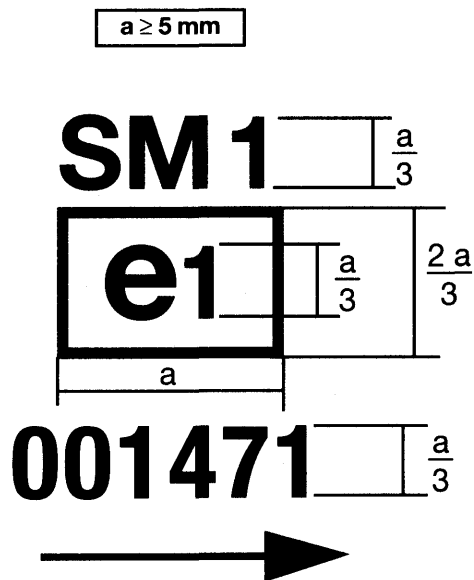
The device bearing the EC component type-approval mark shown above is a stop lamp with two levels of intensity, type-approved in Germany (e1) pursuant to Annex II to this Directive (02) under the base approval number 1471.

Figure 1e



The device bearing the EC component type-approval mark shown above is a daytime running lamp, type-approved in Germany (e1) pursuant to Annex III to this Directive (00) under the base approval number 1471.

Figure 1f



The device bearing the EC component type-approval mark shown above is a side marker lamp of category 1, type-approved in Germany (e1) pursuant to Annex IV to this Directive (00) under the base approval number 1471.

Figure 2a

Simplified marking of grouped, combined or reciprocally incorporated lamps when two or more lamps are part of the same assembly

(The vertical and horizontal lines schematize the shape of the light-signalling device. These are not part of the approval mark).

MODEL A

|  |                   |          |          |           |
|--|-------------------|----------|----------|-----------|
|  | 1712<br><b>e1</b> |          |          |           |
|  | IA<br>02          | AR<br>00 | 2a<br>01 | SM1<br>00 |
|  | F<br>00           | R<br>02  | S2<br>02 | IA<br>02  |

MODEL B

|  |  |                                               |  |  |
|--|--|-----------------------------------------------|--|--|
|  |  | IA AR 2a SM1<br>02 00 01 00                   |  |  |
|  |  | F R S2 IA<br>00 02 02 02<br>1712<br><b>e1</b> |  |  |

## MODEL C

|          |          |          |           |  |  |  |  |
|----------|----------|----------|-----------|--|--|--|--|
| IA<br>02 | AR<br>00 | 2a<br>01 | SM1<br>00 |  |  |  |  |
| F<br>00  | R<br>02  | S2<br>02 | IA<br>02  |  |  |  |  |
| 1712     |          |          |           |  |  |  |  |
| e1       |          |          |           |  |  |  |  |

*Note:* The three examples of approval marks, models A, B and C represent three possible variants of the marking of a lighting and light-signalling device when two or more lamps are part of the same unit of grouped, combined or reciprocally incorporated lamps. This approval marks shows that the device was approved in Germany (e1) under the base approval number 1712 and comprises:

A rear and a side retro reflector of class IA approved in accordance with Directive 76/757/EEC, sequence No 02;

A rear direction indicator of category 2a approved in accordance with Directive 76/759/EEC, sequence No 01;

A red rear position lamp (R) approved in accordance with Annex II to Directive 76/758/EEC, sequence No 02;

A rear fog lamp (F) approved in accordance with Directive 77/538/EEC, sequence No 00;

A reversing lamp (AR) approved in accordance with Directive 77/539/EEC, sequence No 00;

A stop lamp with two levels of intensity (S2) approved in accordance with Annex II to Directive 76/758/EEC, sequence No 02;

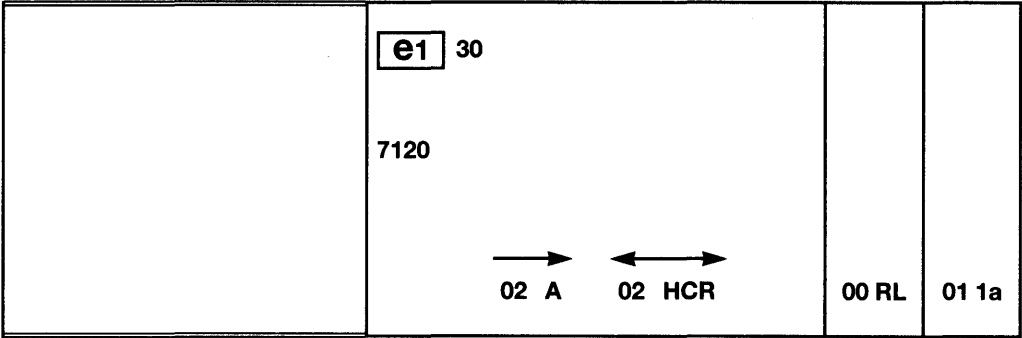
A side marker lamp of category 1 (SM1) approved in accordance with Annex IV to Directive 76/758/EEC, sequence No 00.

Figure 2b

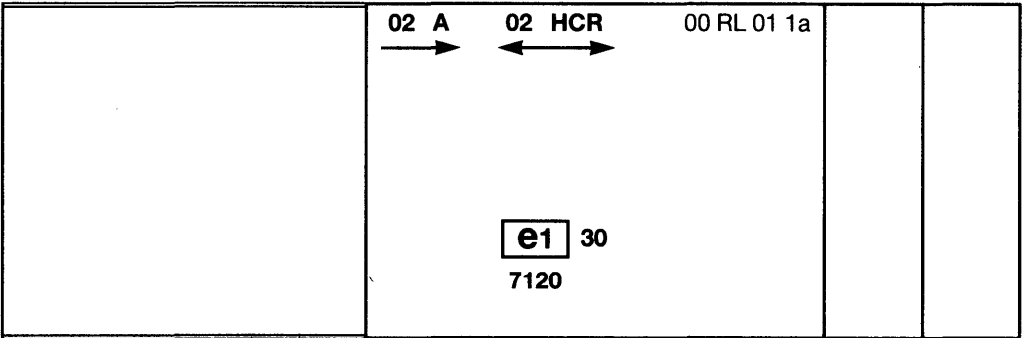
Simplified marking of grouped, combined or reciprocally incorporated lamps when two or more lamps are part of the same assembly

(The vertical and horizontal lines schematize the shape of the light-signalling device. These are not part of the approval mark).

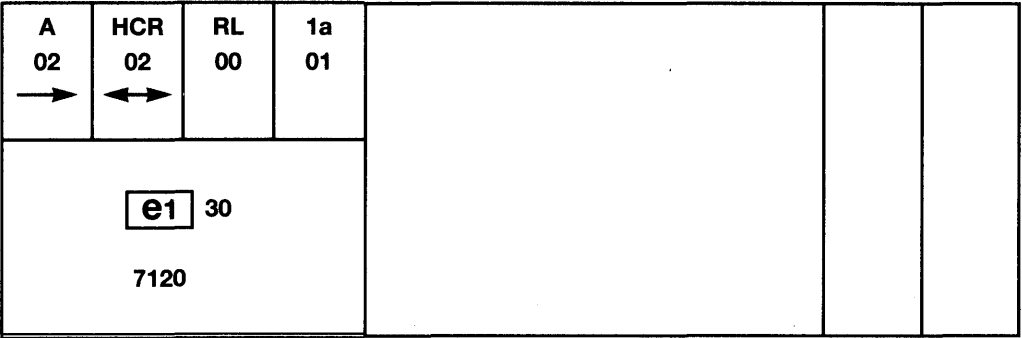
MODEL A



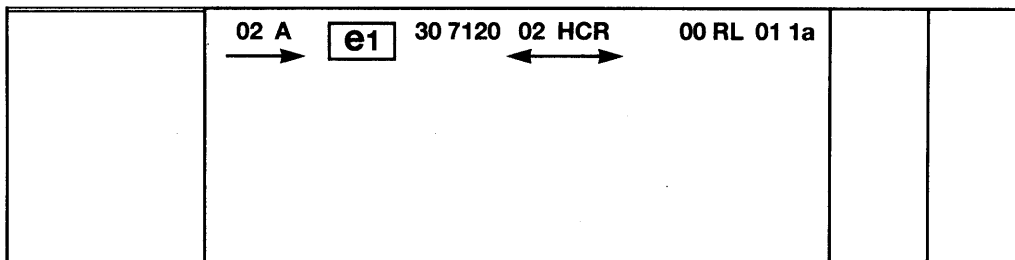
MODEL B



MODEL C



MODEL D



*Note:* The four examples of approval marks, models A, B, C and D represent four possible variants of the marking of a lighting and light-signalling device when two or more lamps are part of the same unit of grouped, combined or reciprocally incorporated lamps. This approval marks shows that the device was approved in Germany (e1) under the base approval number 7120 and comprises:

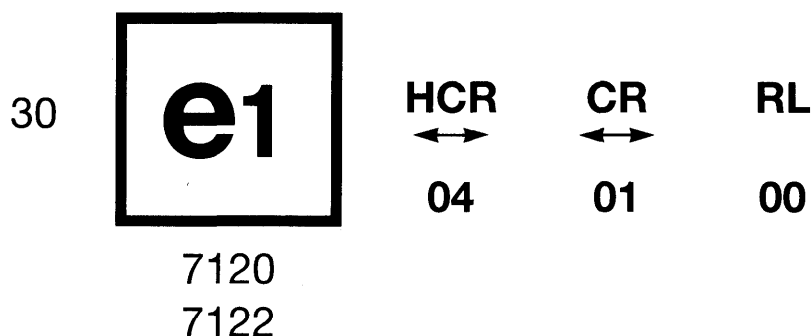
A front position lamp (A) approved in accordance with Annex II to Directive 76/758/EEC, sequence No 02;

A headlamp (HCR) with a passing beam designed for right-hand and left-hand traffic and a driving beam with a maximum intensity comprised between 86,250 and 101,250 candelas (as indicated by the number 30) approved in accordance with Annex V to Directive 76/761/EEC, sequence No 02;

A daytime running lamp (RL) approved in accordance with Annex III to Directive 76/758/EEC, sequence No 00;

A front direction indicator lamp of category 1a approved in accordance with Directive 76/759/EEC, sequence No 01.

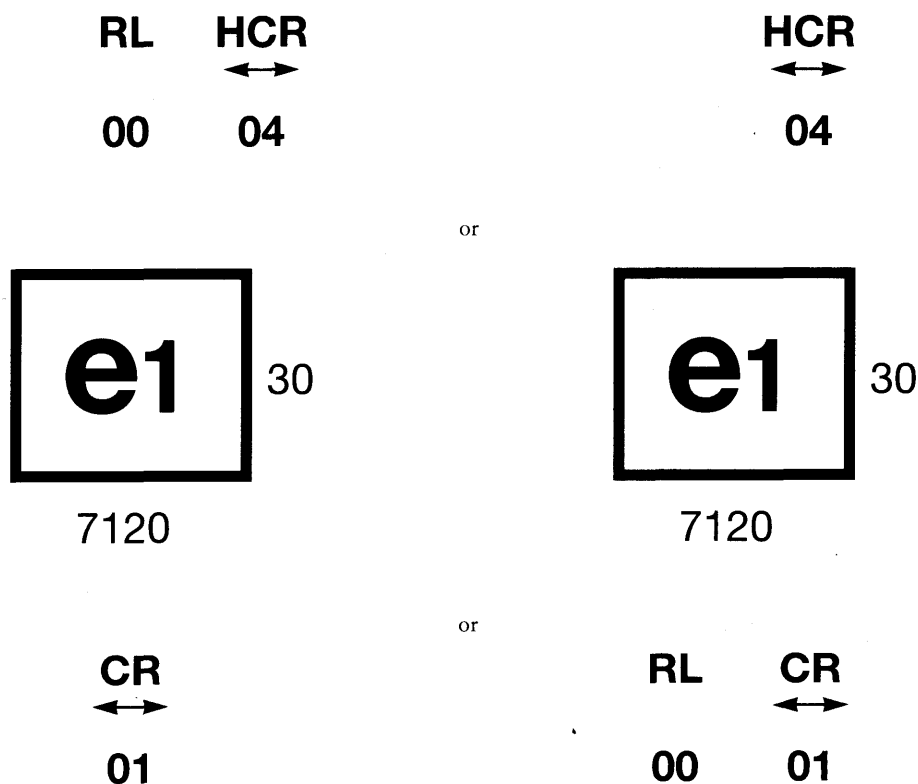
Figure 3



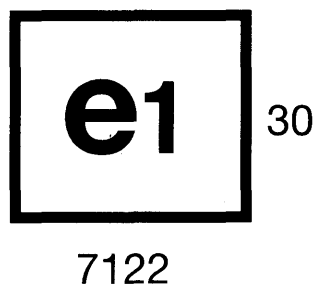
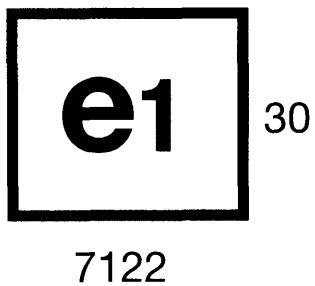
The above example corresponds to the marking of a lens intended to be used in different types of headlamps namely:

- Either a headlamp with a passing beam designed for both traffic systems and a driving beam with a maximum luminous intensity comprised between 86,250 and 101,250 candelas (as indicated by the number "30") approved in Germany (e1) under the base approval number 7120 in accordance with the requirements of Annex IV to Directive 76/761/EEC, sequence No 04, which is reciprocally incorporated with a daytime running lamp approved in accordance with Annex III to Directive 76/758/EEC, sequence No 00,
- or a headlamp with a passing beam and a driving beam, designed for both traffic systems and approved in Germany (e1) under the base approval number 7122 in accordance with the requirements of Annex II to Directive 76/761/EEC, sequence No 01, which is reciprocally incorporated with the same daytime running lamp as above.
- or either of the abovementioned headlamps approved as a single lamp.

The main body of the headlamp shall bear the only valid approval number, for instance:



or



## ANNEX II

## SCOPE AND TECHNICAL REQUIREMENTS

## 1. SCOPE

This Annex applies to the end-outline marker lamps, front position (side) lamps rear position (side) lamps and stop lamps for motor vehicles and their trailers.

## 2. TECHNICAL REQUIREMENTS

2.1. The technical requirements are those set out in paragraphs 1 and 5 to 8 and Annexes 1, 4 and 5 of UN-ECE Regulation No 7 which consists of a consolidation of the following documents:

- the 01 and 02 series of amendments incorporating Supplement 1 to 02 series of amendments and various corrections<sup>(1)</sup>,
  - the Erratum<sup>(2)</sup>,
  - the Supplement 2 to the 02 series of amendments<sup>(3)</sup>,
  - the Corrigendum 1 to Supplement 2 and the Supplement 3 to the 02 series of amendments<sup>(4)</sup>,
- except that:

2.1.1. Where reference is made to "Regulation No 48", this shall be understood as "Directive 76/756/EEC".

2.1.2. Where reference is made to "Regulation No 37", this shall be understood as "Annex VII to Directive 76/761/EEC".

2.1.3. Footnote<sup>(1)</sup> in the table of paragraph 6.1 shall be understood as follows:

"The installation of the devices referred to above in motor vehicles and their trailers is provided for in Directive 76/756/EEC."

---

<sup>(1)</sup> E/ECE/324  
E/ECE/TRANS/505 } Add. 6/Rev. 2.

<sup>(2)</sup> E/ECE/324  
E/ECE/TRANS/505 } Add. 6/Rev. 2/Corr. 1.

<sup>(3)</sup> E/ECE/324  
E/ECE/TRANS/505 } Add. 6/Rev. 2/Amend. 1.

<sup>(4)</sup> E/ECE/324  
E/ECE/TRANS/505 } Add. 6/Rev. 2/Amend. 2.

## ANNEX III

## SCOPE AND TECHNICAL REQUIREMENTS

## 1. SCOPE

This Annex applies to the daytime running lamps for motor vehicles.

## 2. TECHNICAL REQUIREMENTS

- 2.1. The technical requirements are those set out in paragraphs 2 and 6 to 11 and Annexes 3 and 4 of UN-ECE Regulation No 87 which consists of a consolidation of the following documents:

- the Regulation in its original form (00)<sup>(1)</sup>,
- the Corrigendum 1 to Regulation No 87<sup>(2)</sup>,
- the Supplement 1 to Regulation No 87<sup>(3)</sup>,

except that:

- 2.1.1. Where reference is made to "Regulation No 48", this shall be understood as "Directive 76/756/EEC".

---

|                            |   |                          |
|----------------------------|---|--------------------------|
| ( <sup>1</sup> ) E/ECE/324 | } | Rev. 1/Add. 86.          |
| E/ECE/TRANS/505            |   |                          |
| ( <sup>2</sup> ) E/ECE/324 | } | Rev. 1/Add. 86/Corr. 1.  |
| E/ECE/TRANS/505            |   |                          |
| ( <sup>3</sup> ) E/ECE/324 | } | Rev. 1/Add. 86/Amend. 1. |
| E/ECE/TRANS/505            |   |                          |

## ANNEX IV

## SCOPE AND TECHNICAL REQUIREMENTS

## 1. SCOPE

This Annex applies to the side marker lamps for motor vehicles and their trailers.

## 2. TECHNICAL REQUIREMENTS

- 2.1. The technical requirements are those set out in paragraphs 2 and 6 to 9 and Annexes 1, 4 and 5 of UN-ECE Regulation No 91 which consists of a consolidation of the following documents:

- the Regulation in its original form (00)<sup>(1)</sup>,
- the Supplement 1 to Regulation No 91<sup>(2)</sup>,

except that:

- 2.1.1. Where reference is made to "Regulation No 48", this shall be understood as "Directive 76/756/EEC".
- 2.1.2. Where reference is made to "Regulation No 37", this shall be understood as "Annex VII to Directive 76/761/EEC".

---

|                            |   |                          |
|----------------------------|---|--------------------------|
| ( <sup>1</sup> ) E/ECE/324 | } | Rev. 1/Add. 90.          |
| E/ECE/TRANS/505            |   |                          |
| ( <sup>2</sup> ) E/ECE/324 | } | Rev. 1/Add. 90/Amend. 1. |
| E/ECE/TRANS/505            |   |                          |

## COMMISSION DIRECTIVE 97/31/EC

of 11 June 1997

adapting to technical progress Council Directive 76/760/EEC relating to the rear registration plate lamps for motor vehicles and their trailers

(Text with EEA relevance)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Council Directive 70/156/EEC relating to the type-approval of motor vehicles and their trailers<sup>(1)</sup>, as last amended by European Parliament and Council Directive 96/79/EC<sup>(2)</sup>, and in particular Article 13 (2) thereof,

Having regard to Council Directive 76/760/EEC of 27 July 1976 on the approximation of the laws of the Member States relating to the rear registration plate lamps for motor vehicles and their trailers<sup>(3)</sup>, as last amended by the Act of Accession of Austria, Finland and Sweden, and in particular Article 10 thereof,

Whereas Directive 76/760/EEC is one of the separate Directives of the EEC type-approval procedure which has been established by Directive 70/156/EEC; whereas, consequently, the provisions laid down in Directive 70/156/EEC relating to vehicle systems, components and separate technical units apply to this Directive;

Whereas, in particular, Articles 3 (4) and 4 (3) of Directive 70/156/EEC require each separate Directive to have attached to it an information document and also a type-approval certificate based on Annex VI to that Directive in order that type-approval may be computerized; whereas the type-approval certificate(s) provided for in Directive 76/760/EEC must be amended accordingly;

Whereas the procedures need to be simplified in order to maintain the equivalence established by Article 9 (2) of Directive 70/156/EEC between certain separate Directives and the corresponding regulations of the United Nations' Economic Commission for Europe when the said regulations are amended; whereas, as a first step, the technical requirements of Directive 76/760/EEC need to be replaced by those of Regulation No 4 by way of cross-reference;

Whereas reference is made to Council Directive 76/756/EEC<sup>(4)</sup>, as last amended by Commission Directive 97/28/EC<sup>(5)</sup>, and to Directive 76/761/EEC<sup>(6)</sup>, as last amended by the Act of Accession of Austria, Finland and Sweden;

Whereas the measures provided for in this Directive are in accordance with the opinion of the Committee for Adaptation to Technical Progress established by Directive 70/156/EEC,

HAS ADOPTED THIS DIRECTIVE:

*Article 1*

Directive 76/760/EEC is hereby amended as follows:

1. Article 1 (1) is replaced by the following:

'1. Member States shall grant EEC component type-approval for any type of rear registration plate lamp which satisfies the construction and testing requirements laid down in the relevant Annexes.'

2. The first paragraph of Article 2 is replaced by the following:

'Member States shall for each type of rear registration plate lamp which they approve pursuant to Article 1, issue to the manufacturer an EEC component type-approval mark conforming to the model shown in Annex 1, Appendix 3.'

3. Article 4 is replaced by the following:

*'Article 4*

The competent authorities of the Member States shall inform each other, by means of the procedure specified in Article 4 (6) of Directive 70/156/EEC, of each approval which they have granted, refused or withdrawn pursuant to this Directive.'

<sup>(1)</sup> OJ No L 42, 23. 2. 1970, p. 1.

<sup>(2)</sup> OJ No L 18, 21. 1. 1997, p. 7.

<sup>(3)</sup> OJ No L 262, 27. 9. 1976, p. 85.

<sup>(4)</sup> OJ No L 262, 27. 9. 1976, p. 1.

<sup>(5)</sup> See page 1 of this Official Journal.

<sup>(6)</sup> OJ No L 262, 27. 9. 1976, p. 96.

4. Article 9 is replaced by the following:

*'Article 9*

For the purposes of this Directive, "vehicle" means any motor vehicle intended for use on the road, with or without bodywork, having at least four wheels and a maximum design speed exceeding 25 km/h, and its trailers, with the exception of vehicles which run on rails and of agricultural and forestry tractors and all mobile machinery.'

5. The Annexes are replaced by the Annex to this Directive.

*Article 2*

1. From 1 January 1998, or, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, six months after the actual date of publication of these texts, Member States may not, on grounds relating to rear registration plate lamps:

- refuse, in respect of a type of vehicle or a type of lamp mentioned above, to grant EC type-approval or national type-approval, or
- prohibit the registration, sale or entry into service of vehicles, or the sale or entry into service of rear registration plate lamps,

provided that the lamps comply with the requirements of Directive 76/760/EEC, as amended by this Directive, and that, as far as vehicles are concerned, they are installed in accordance with the requirements laid down in Directive 76/756/EEC.

2. From 1 October 1998 Member States:

- shall no longer grant EC type-approval, and
- may refuse to grant national type-approval

for any type of vehicle on grounds relating to rear registration plate lamps, and for any type of rear registration plate lamp, if the requirements of Directive 76/760/EEC, as amended by this Directive, are not fulfilled.

3. From 1 October 1999 the requirements of Directive 76/760/EEC relating to rear registration plate lamps as components, as amended by this Directive, shall be applicable for the purposes of Article 7 (2) of Directive 70/156/EEC.

4. Notwithstanding paragraphs 2 and 3 above, for the purposes of replacement parts Member States shall continue to grant EC type-approval of rear registration plate lamps, and to permit their sale and entry into service, in accordance with previous versions of Directive 76/760/EEC provided that such lamps

— are intended to be fitted to vehicles already in use, and

— comply with the requirements of that Directive which were applicable when the vehicles were first registered.

*Article 3*

The paragraphs and annexes of UN/ECE Regulation No 4 referred to in Annex II, item 2.1, shall be published in the *Official Journal of the European Communities* before 1 July 1997.

*Article 4*

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by 1 January 1998; however, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, Member States shall comply with this obligation six months after the actual date of publication of these texts. They shall forthwith inform the Commission thereof.

They shall apply those provisions from 1 January 1998, or, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, Member States shall implement these provisions six months after the actual date of publication of these texts.

When Member States adopt these provisions, these shall contain a reference to this Directive or shall be accompanied by such reference at the time of their official publication. The procedure for such reference shall be adopted by Member States.

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

*Article 5*

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

*Article 6*

This Directive is addressed to the Member States.

Done at Brussels, 11 June 1997.

*For the Commission*

Martin BANGEMANN

*Member of the Commission*

## ANNEX

## ‘LIST OF ANNEXES

ANNEX I: *Administrative provisions for type approval*

*Appendix 1: Information document*

*Appendix 2: Type-approval certificate*

*Appendix 3: Models of the EC component type-approval mark*

ANNEX II: *Scope and technical requirements*

## ANNEX I

## ADMINISTRATIVE PROVISIONS FOR TYPE APPROVAL

## 1. APPLICATION FOR EC COMPONENT TYPE-APPROVAL

- 1.1. The application for EC component type-approval pursuant to Article 3 (4) of Directive 70/156/EEC of a type of rear registration plate lamp shall be submitted by the manufacturer.
- 1.2. A model for the information document is given in Appendix 1.
- 1.3. The following must be submitted to the technical service responsible for conducting the type-approval tests:
  - 1.3.1. two samples, equipped with the lamp or lamps recommended.

## 2. MARKINGS

- 2.1. The devices submitted for EC component type-approval must bear:
  - 2.1.1. the trade name or mark of the manufacturer;
  - 2.1.2. in the case of lamps with replaceable light sources: the type(s) of filament lamp prescribed;
  - 2.1.3. in the case of lamps with non-replaceable light sources: the nominal voltage and wattage.
- 2.2. These markings shall be clearly legible and indelible and shall be affixed to the illuminating surface, or to one of the illuminating surfaces, of the device. They shall be visible from the exterior when the device is fitted to the vehicle.
- 2.3. Each device shall have sufficient space for the component type-approval mark. This space shall be indicated on the drawings referred to in Appendix 1.

## 3. GRANTING OF EC COMPONENT TYPE-APPROVAL

- 3.1. 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.
- 3.2. A model for the EC type-approval certificate is given in Appendix 2.
- 3.3. An approval number in accordance with Annex VII to Directive 70/156/EEC shall be assigned to each type of rear registration plate lamp approved. The same Member State shall not assign the same number to another type of rear registration plate lamp.
- 3.4. Where EC component type approval is requested for a type of lighting and light-signalling device comprising a rear registration plate lamp and other lamps, a single EC component type-approval number may be assigned provided that the rear registration plate lamp complies with the requirements of this Directive and that each of the other lamps forming part of the lighting and light-signalling device for which EC component type approval is requested complies with the separate Directive applying to it.

## 4. EC COMPONENT TYPE-APPROVAL MARK

- 4.1. In addition to the markings referred to in item 2.1, every rear registration plate lamp conforming to the type approved pursuant to this Directive shall bear an EC component type-approval mark.

- 4.2. This mark shall consist of:
- 4.2.1. a rectangle surrounding the letter 'e' followed by the distinguishing number or letters of the Member State which has granted type approval:
- |                           |                   |
|---------------------------|-------------------|
| 1 for Germany             | 12 for Austria    |
| 2 for France              | 13 for Luxembourg |
| 3 for Italy               | 17 for Finland    |
| 4 for the Netherlands     | 18 for Denmark    |
| 5 for Sweden              | 21 for Portugal   |
| 6 for Belgium             | 23 for Greece     |
| 9 for Spain               | IRL for Ireland;  |
| 11 for the United Kingdom |                   |
- 4.2.2. in the vicinity of the rectangle the 'base approval number' contained in section 4 of the type-approval number referred to in Annex VII of Directive 70/156/EEC, preceded by the two figures indicating the sequence number assigned to the most recent major technical amendment to Directive 76/760/EEC on the date EEC type approval was granted. In this Directive the sequence number is 00;
- 4.2.3. an additional symbol as follows: the letter 'L'.
- 4.3. The EC component type-approval mark shall be affixed to the lens of the lamp or one of the lenses in such a way as to be indelible and clearly legible even when the lamps are fitted to the vehicle.
- 4.4. Examples of the EC component type-approval mark are given in Appendix 3, Figure 1.
- 4.5. Where a single EC component type-approval number is issued, as per item 3.4 above, for a type of lighting and light-signalling device comprising a rear registration plate lamp and other lamps, a single EC component type-approval mark may be affixed, consisting of:
- 4.5.1. a rectangle surrounding the letter 'e' followed by the distinguishing number or letters of the Member State which has granted type approval (see item 4.2.1);
- 4.5.2. the base approval number (see item 4.2.2, first half-sentence);
- 4.5.3. if necessary, the required arrow, in so far as it relates to the lamp assembly as a whole.
- 4.6. This mark may be located anywhere on the lamps which are grouped, combined or reciprocally incorporated, provided that:
- 4.6.1. it is visible after the installation of the lamps;
- 4.6.2. no light-transmitting components of the grouped, combined or reciprocally incorporated lamps can be removed without simultaneously removing the approval mark.
- 4.7. The identification symbol for each lamp corresponding to each Directive pursuant to which EC component type approval was granted, together with the sequence number (see item 4.2.2, second half-sentence) and, where necessary, the letter 'D' and the required arrow shall be marked:
- 4.7.1. either on the appropriate light-emitting surface;
- 4.7.2. or in a group, in such a way that each of the grouped, combined or reciprocally incorporated lamps may be clearly identified.
- 4.8. The dimensions of the components of this mark must not be less than the minimum dimensions specified for individual marks by the various Directives pursuant to which EC component type approval was granted.
- 4.9. Examples of an EC component type-approval mark for a lamp that is grouped, combined or reciprocally incorporated with other lamps are given in Appendix 3, Figure 2.

5. MODIFICATIONS OF THE TYPE AND AMENDMENTS TO APPROVALS

- 5.1. In the case of modifications of the type approved pursuant to this Directive, the provisions of Article 5 of Directive 70/156/EEC shall apply.

6. CONFORMITY OF PRODUCTION

- 6.1. As a general rule, 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.
- 6.2. The luminance  $B$  of any device picked at random from a mass produced batch shall not be lower than  $2 \text{ cd/m}^2$  and, in the formula for the gradient, the factor 2 may be replaced by 3 (see paragraph 9 of the documents referred to in item 2.1 of Annex II to this Directive).
-

## Appendix 1

## Information document No ...

## relating to the EC component type approval of rear registration plate lamps

*(Directive 76/760/EEC, 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 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 and general commercial description(s): .....
- 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 approval mark: .....
- 0.8. Address(es) of assembly plant(s): .....

## 1. DESCRIPTION OF THE DEVICE

- 1.1. Type of device: .....
- 1.1.1. Device function(s): .....
- 1.1.2. Category or class of device: .....
- 1.1.3. Colour of the light emitted or reflected: .....
- 1.2. Drawing(s) in sufficient detail to permit identification of the type of the device and showing
  - 1.2.1. in what geometrical position the device is to be mounted on the vehicle (not applicable to rear registration plate lamps): .....
  - 1.2.2. the axis of observation to be taken as the axis of reference in the tests (horizontal angle  $H = 0^\circ$ , vertical angle  $V = 0^\circ$ ) and the point to be taken as the centre of reference in the said tests (not applicable to retro-reflecting devices and rear registration plate lamps): .....
  - 1.2.3. the position intended for the EC component type-approval mark: .....
  - 1.2.4. for rear registration plate lamps, the geometrical position in which the device is to be fitted in relation to the space to be occupied by the registration plate, and the outline of the area adequately illuminated: .....
  - 1.2.5. for headlamps and front fog lamps, a frontal view of the lamps with details of lens ribbing, if any, and the cross section: .....
- 1.3. A brief technical description stating, in particular, with the exception of lamps with non replaceable light sources, the category or categories of light sources prescribed which shall be one or more of those contained in Directive 76/761/EEC (not applicable to retro-reflecting devices): .....

## 1.4. Specific information

- 1.4.1. For rear registration plate lamps, a statement whether the device is intended to illuminate a wide/tall/both wide and tall plate: .....
- 1.4.2. For headlamps,
  - 1.4.2.1. information whether the headlamp is intended to provide both a dipped beam and main beam or only one of those beams: .....
  - 1.4.2.2. information in case the headlamp is intended to provide a dipped beam, if it is designed for both left-hand and right-hand traffic or for either left-hand or right-hand traffic only: .....
  - 1.4.2.3. if the headlamp is equipped with an adjustable reflector, an indication of the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only: .....
- 1.4.3. For position lamps, stop lamps and direction indicators,
  - 1.4.3.1. if the device may also be used in an assembly of two lamps of the same category: .....
  - 1.4.3.2. in the case of device with two levels of intensity (stop lamps and category 2b direction indicators), arrangement diagram and specification of the characteristics of the system ensuring the two levels of intensity: .....
- 1.4.4. For retro-reflecting devices, a brief description giving the technical specifications of the materials of the retro-reflecting optical unit: .....
- 1.4.5. For reversing lamps, a statement whether the device is intended to be installed on a vehicle exclusively in a pair of devices: .....

## Appendix 2

## MODEL

(maximum format: A4 (210 × 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 a vehicle/component/separate technical unit<sup>(1)</sup> with regard to Directive 76/760/EEC, as last amended by Directive .../EC

Type-approval number: .....

Reason for extension: .....

## SECTION I

- 0.1. Make (trade name of manufacturer): .....
- 0.2. Type and general commercial description(s): .....
- 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 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 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.

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

(<sup>2</sup>) If the means of identification of type contains characters not relevant to describe 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 Annex II A to Directive 70/156/EEC.

#### *Addendum to EC type-approval certificate No ...*

concerning the component type-approval of a lighting and/or light-signalling device with regard to Directive(s) 76/757/EEC; 76/758/EEC; 76/759/EEC; 76/760/EEC; 76/761/EEC; 76/762/EEC; 77/538/EEC; 77/539/EEC and 77/540/EEC(<sup>1</sup>) as last amended by Directive(s) ...

#### 1. ADDITIONAL INFORMATION

##### 1.1. Where applicable, indicate for each lamp

1.1.1. The category(ies) of the device(s): .....

1.1.2. The number and category of light sources (not applicable to retro reflector)(<sup>2</sup>): .....

1.1.3. The colour of the light emitted or reflected: .....

1.1.4. Approval granted solely for use as a replacement part on vehicles already in service: Yes/No(<sup>1</sup>)

1.2. Specific information for certain types of lighting or light signalling devices: .....

1.2.1. For retro-reflecting devices: In isolation/part of an assembly of devices(<sup>1</sup>): .....

1.2.2. For rear registration plate lamps: Device for illuminating a tall plate/a wide plate wide plate(<sup>1</sup>): ...

1.2.3. For headlamps: If equipped with an adjustable reflector, the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only: .....

1.2.4. For reversing lamps: This device shall be installed on a vehicle only as part of a pair of devices: Yes/No(<sup>1</sup>) .....

#### 5. REMARKS

##### 5.1. Drawings

5.1.1. For rear registration plate lamps: the attached drawing No ... shows the geometric position in which the device is to be fitted in relation to the space to be occupied by the registration plate, and the outline of the area adequately illuminated;

5.1.2. For retro-reflecting devices: the attached drawing No ... shows the geometric position in which the device is to be fitted to the vehicle;

5.1.3. For all other lighting and light signalling devices: the attached drawing No ... shows the geometric position in which the device is to be fitted to the vehicle, and the axis of reference and centre of reference of the device.

5.2. For headlamps: Operating mode used during the test (item 5.2.3.9 of Annex I to Directive 76/761/EEC): .....

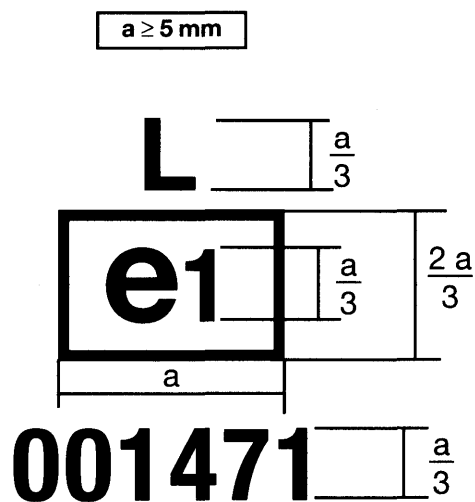
(<sup>1</sup>) Delete where not applicable.

(<sup>2</sup>) For lamps with non replaceable light sources, indicate the number and the total wattage of the light sources.

## Appendix 3

## EXAMPLES OF THE EC COMPONENT TYPE-APPROVAL MARK

Figure 1



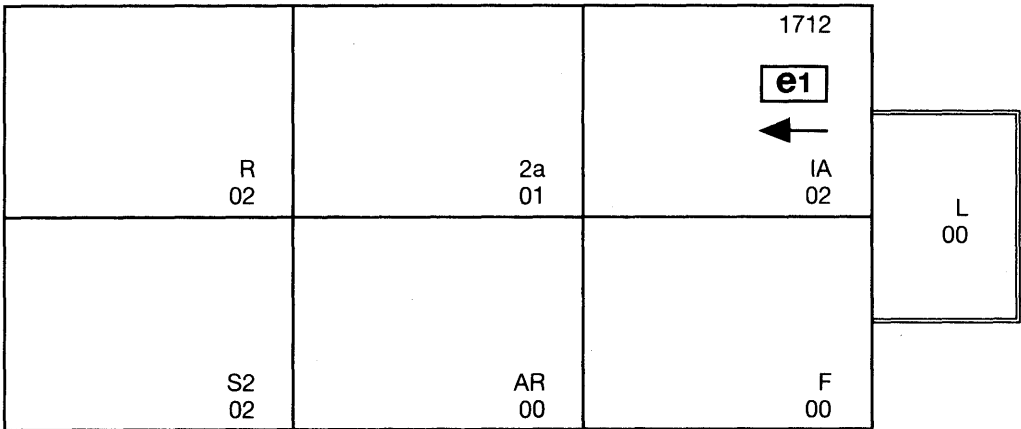
The device bearing the EC component type-approval mark shown above is a rear registration plate lamp, type approved in Germany (e1) pursuant to this Directive (00) under the base approval number 1471.

Figure 2

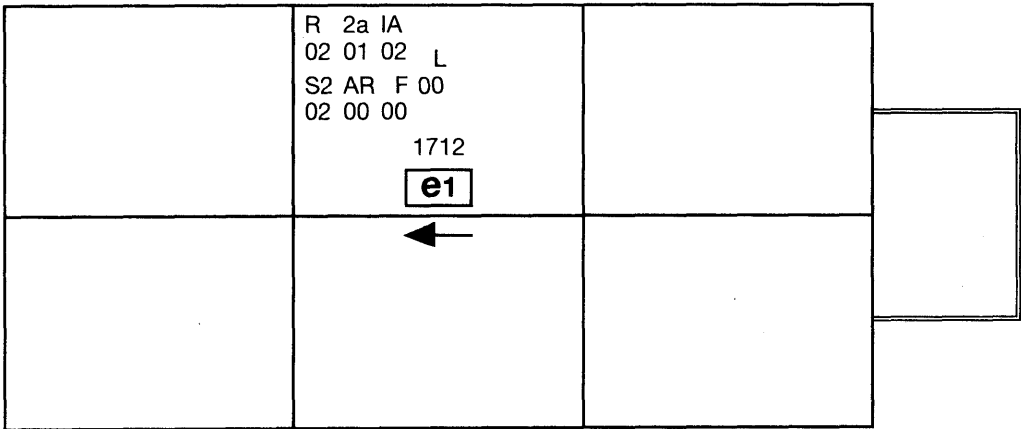
Simplified marking of grouped, combined or reciprocally incorporated lamps when two or more lamps are part of the same assembly

(The vertical and horizontal lines schematize the shape of the light-signalling device. These are not part of the approval mark).

MODEL A



MODEL B



## MODEL C

|  |  |  |          |          |           |
|--|--|--|----------|----------|-----------|
|  |  |  | R<br>02  | 2a<br>01 | IA<br>02  |
|  |  |  |          |          | L<br>00   |
|  |  |  | S2<br>02 | AR<br>00 | F<br>00   |
|  |  |  |          |          | 1712      |
|  |  |  |          |          | <b>e1</b> |
|  |  |  |          |          | ←         |

*Note:* The three examples of approval marks, models A, B and C, represent three possible variants of the marking of a lighting and light-signalling device when two or more lamps are part of the same unit of grouped, combined or reciprocally incorporated lamps. This approval mark shows that the device was approved in Germany (e1) under the base approval number 1712 and comprises:

- a retro reflector of class IA approved in accordance with Council Directive 76/757/EEC (OJ No L 262, 27. 9. 1976, p. 32), sequence No 02,
- a rear direction indicator of category 2a approved in accordance with Council Directive 76/759/EEC (OJ No L 262, 27. 9. 1976, p. 71), sequence No 01,
- a red rear position lamp (R) approved in accordance with Annex II to Council Directive 76/758/EEC (OJ No L 262, 27. 9. 1976, p. 54), sequence No 02,
- a rear fog lamp (F) approved in accordance with Council Directive 77/538/EEC (OJ No L 220, 29. 8. 1977, p. 60), sequence No 00,
- a reversing lamp (AR) approved in accordance with Council Directive 77/539/EEC (OJ No L 220, 29. 8. 1977, p. 72), sequence No 00,
- a stop lamp with two levels of intensity (S2) approved in accordance with Annex II to Directive 76/758/EEC, sequence No 02,
- a rear registration plate lamp (L) approved in accordance with Directive 76/760/EEC, sequence No 00.

## ANNEX II

## SCOPE AND TECHNICAL REQUIREMENTS

## 1. SCOPE

This Directive applies to rear registration plate lamps for motor vehicles and their trailers.

## 2. TECHNICAL REQUIREMENTS

2.1. The technical requirements are those set out in paragraphs 1 and 5 to 9 and Annexes 3 to 5 of UN-ECE Regulation No 4 which consists of a consolidation of the following documents:

- the Regulation in its original form (00)<sup>(1)</sup>,
- the Supplement 1 to Regulation No 4<sup>(2)</sup>,
- the Supplement 2 to Regulation No 4<sup>(3)</sup>,
- the Supplements 3 and 4 to Regulation No 4<sup>(4)</sup>,
- the Supplement 5 to Regulation No 4<sup>(5)</sup>.

except that:

- 2.1.1. Where reference is made to "Regulation No 48", this shall be understood as "Directive 76/756/EEC".
- 2.1.2. Where reference is made to "Regulation No 37", this shall be understood as "Annex VII to Directive 76/761/EEC":

---

|                                  |   |                                           |
|----------------------------------|---|-------------------------------------------|
| ( <sup>1</sup> ) E/ECE/324       | } | Add. 3.                                   |
| E/ECE/TRANS/505                  |   |                                           |
| ( <sup>2</sup> ) E/ECE/324       | } | Add. 3/Amend. 1 and .../Amend. 1/Corr. 1. |
| E/ECE/TRANS/505                  |   |                                           |
| ( <sup>3</sup> ) E/ECE/324       | } | Add. 3/Amend. 2.                          |
| E/ECE/TRANS/505                  |   |                                           |
| ( <sup>4</sup> ) E/ECE/324       | } | Add. 3/Amend. 3.                          |
| E/ECE/TRANS/505                  |   |                                           |
| ( <sup>5</sup> ) TRANS/WP.29/447 |   |                                           |

## COMMISSION DIRECTIVE 97/32/EC

of 11 June 1997

adapting to technical progress Council Directive 77/539/EEC relating to reversing lamps for motor vehicles and their trailers

(Text with EEA relevance)

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Community,

Having regard to Council Directive 70/156/EEC of 6 February 1970 on the approximation of the laws of the Member States relating to the type-approval of motor vehicles and their trailers<sup>(1)</sup>, as last amended by European Parliament and Council Directive 96/79/EC<sup>(2)</sup>, and in particular Article 13 (2) thereof,Having regard to Council Directive 77/539/EEC of 28 June 1977 on the approximation of the laws of the Member States relating to reversing lamps for motor vehicles and their trailers<sup>(3)</sup>, as last amended by the Act of Accession of Austria, Finland and Sweden, and in particular Article 10 thereof,

Whereas Directive 77/539/EEC is one of the separate Directives of the EEC type-approval procedure which has been established by Directive 70/156/EEC; whereas, consequently, the provisions laid down in Directive 70/156/EEC relating to vehicle systems, components and separate technical units apply to this Directive;

Whereas, in particular, Articles 3 (4) and 4 (3) of Directive 70/156/EEC require each separate Directive to have attached to it an information document and also a type-approval certificate based on Annex VI to that Directive in order that type-approval may be computerized; whereas the type approval certificate(s) provided for in Directive 77/539/EEC must be amended accordingly;

Whereas the procedures need to be simplified in order to maintain the equivalence, established by Article 9 (2) of Directive 70/156/EEC, between certain separate Directives and the corresponding regulations of the United Nations' Economic Commission for Europe when the said regulations are amended; whereas, as a first step, the technical requirements of Directive 77/539/EEC need to be replaced by those of Regulation No 23 by way of cross-reference;

Whereas reference is made to Council Directive 76/756/EEC<sup>(4)</sup>, as last amended by Commission Directive 97/28/EC<sup>(5)</sup>, and to Council Directive 76/761/EEC<sup>(6)</sup>, as last amended by the Act of Accession of Austria, Finland and Sweden;

Whereas the measures provided for in this Directive are in accordance with the opinion of the Committee for Adaptation to Technical Progress established by Directive 70/156/EEC,

HAS ADOPTED THIS DIRECTIVE:

*Article 1*

Directive 77/539/EEC is hereby amended as follows:

1. Article 1 (1) is replaced by the following:

'1. Each Member State shall grant EEC component type-approval for any type of reversing lamp which satisfies the construction and testing requirements laid down in the relevant Annexes.'

2. The first paragraph of Article 2 is replaced by the following:

'Member States shall for each type of reversing lamp which they approve pursuant to Article 1, issue to the manufacturer an EEC component type-approval mark conforming to the model shown in Annex I, Appendix 3.'

3. Article 4 is replaced by the following:

*'Article 4*

The competent authorities of the Member States shall inform each other, by means of the procedure specified in Article 4 (6) of Directive 70/156/EEC, of each approval which they have granted, refused or withdrawn pursuant to this Directive.'

<sup>(1)</sup> OJ No L 42, 23. 2. 1970, p. 1.<sup>(2)</sup> OJ No L 18, 21. 1. 1997, p. 7.<sup>(3)</sup> OJ No L 220, 29. 8. 1977, p. 72.<sup>(4)</sup> OJ No L 262, 27. 9. 1976, p. 1.<sup>(5)</sup> See p. 1 of this Official Journal.<sup>(6)</sup> OJ No L 262, 27. 9. 1976, p. 96.

4. Article 9 is replaced by the following:

*Article 9*

For the purposes of this Directive, "vehicle" means any motor vehicle intended for use on the road, with or without bodywork, having at least four wheels and a maximum design speed exceeding 25 km/h, and its trailers, with the exception of vehicles which run on rails and of agricultural and forestry tractors and all mobile machinery.'

5. The Annexes are replaced by the Annex to this Directive.

*Article 2*

1. From 1 January 1998, or, if publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, six months after the actual date of publication of these texts, Member States may not, on grounds relating to reversing lamps:

- refuse, in respect of a type of vehicle or a type of lamp mentioned above, to grant EC type-approval or national type-approval, or
- prohibit the registration, sale or entry into service of vehicles, or the sale or entry into service of reversing lamps,

provided that the lamps comply with the requirements of Directive 77/539/EEC, as amended by this Directive, and that, as far as vehicles are concerned, they are installed in accordance with the requirements laid down in Directive 76/756/EEC.

2. From 1 October 1998 Member States:

- shall no longer grant EC type-approval, and
- may refuse to grant national type-approval

for any type of vehicle on grounds relating to reversing lamps, and for any type of reversing lamp, if the requirements of Directive 77/539/EEC, as amended by this Directive, are not fulfilled.

3. From 1 October 1999 the requirements of Directive 77/539/EEC relating to reversing lamps as components, as amended by this Directive, shall be applicable for the purposes of Article 7 (2) of Directive 70/156/EEC.

4. Notwithstanding paragraphs 2 and 3 above, for the purposes of replacement parts Member States shall continue to grant EC type-approval of reversing lamps, and to permit their sale and entry into service, in accordance with previous versions of Directive 77/539/EEC provided that such lamps

- are intended to be fitted to vehicles already in use, and

- comply with the requirements of that Directive which were applicable when the vehicles were first registered.

*Article 3*

The paragraphs and annexes of UNECE Regulation No 23 referred to in Annex II, item 2.1, shall be published in the *Official Journal of the European Communities* before 1 July 1997.

*Article 4*

1. Member States shall bring into force the laws, regulations and administrative provisions necessary to comply with this Directive by 1 January 1998; however, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, the Member States shall comply with this obligation six months after the actual date of publication of these texts. They shall forthwith inform the Commission thereof.

They shall apply those provisions from 1 January 1998, or, if the publication of the texts referred to in Article 3 is delayed beyond 1 July 1997, six months after the actual date of publication of those texts.

When Member States adopt these provisions, these shall contain a reference to this Directive or shall be accompanied by such reference at the time of their official publication. The procedure for such reference shall be adopted by Member States.

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

*Article 5*

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

*Article 6*

This Directive is addressed to the Member States.

Done at Brussels, 11 June 1997.

*For the Commission*  
Martin BANGEMANN  
*Member of the Commission*

## ANNEX

## LIST OF ANNEXES

ANNEX I: Administrative provisions for type approval

*Appendix 1:* Information document

*Appendix 2:* Type-approval certificate

*Appendix 3:* Models of the EC component type-approval mark

ANNEX II: Scope and technical requirements

## ANNEX I

## ADMINISTRATIVE PROVISIONS FOR TYPE APPROVAL

## 1. APPLICATION FOR EC COMPONENT TYPE-APPROVAL

- 1.1. The application for EC component type-approval pursuant to Article 3 (4) of Directive 70/156/EEC of a type of reversing lamp shall be submitted by the manufacturer.
- 1.2. A model for the information document is given in Appendix 1.
- 1.3. The following must be submitted to the technical service responsible for conducting the type-approval tests:
  - 1.3.1. Two samples equipped with the lamp or lamps recommended. If the devices are not identical but are symmetrical and suitable for mounting one on the left and one on the right side of the vehicle, the two samples submitted may be identical and be suitable for mounting only on the right or only on the left side of the vehicle.

## 2. MARKINGS

- 2.1. The devices submitted for EC component type-approval must bear:
  - 2.1.1. the trade name or mark of the manufacturer;
  - 2.1.2. if necessary in order to prevent any mistake in mounting the reversing lamp on the vehicle, bear the word 'TOP' marked horizontally on the uppermost part of the illuminating surface;
  - 2.1.3. in the case of lamps with replaceable light sources: the type(s) of filament lamp prescribed;
  - 2.1.4. in the case of lamps with non-replaceable light sources: the nominal voltage and wattage.
- 2.2. These markings shall be clearly legible and indelible and shall be affixed to the illuminating surface, or to one of the illuminating surfaces, of the device. They shall be visible from the exterior when the device is fitted to the vehicle.
- 2.3. Each device shall have sufficient space for the component type-approval mark. This space

## 3. GRANTING OF EC COMPONENT TYPE-APPROVAL

- 3.1. 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.
- 3.2. A model for the EC type-approval certificate is given in Appendix 2.
- 3.3. An approval number in accordance with Annex VII to Directive 70/156/EEC shall be assigned to each type of reversing lamp approved. The same Member State shall not assign the same number to another type of reversing lamp.
- 3.4. Where EC component type approval is requested for a type of lighting and light-signalling device comprising a reversing lamp and other lamps, a single EC component type-approval number may be assigned provided that the reversing lamp complies with the requirements of this Directive and that each of the other lamps forming part of the lighting and light-signalling device for which EC component type approval is requested complies with the separate Directive applying to it.

#### 4. EC COMPONENT TYPE-APPROVAL MARK

4.1. In addition to the markings referred to in item 2.1 every reversing lamp conforming to the type approved pursuant to this Directive shall bear an EC component type-approval mark.

4.2. This mark shall consist of:

4.2.1. a rectangle surrounding the letter 'e' followed by the distinguishing number or letters of the Member State which has granted type approval:

|                           |                   |
|---------------------------|-------------------|
| 1 for Germany             | 12 for Austria    |
| 2 for France              | 13 for Luxembourg |
| 3 for Italy               | 17 for Finland    |
| 4 for the Netherlands     | 18 for Denmark    |
| 5 for Sweden              | 21 for Portugal   |
| 6 for Belgium             | 23 for Greece     |
| 9 for Spain               | IRL for Ireland;  |
| 11 for the United Kingdom |                   |

4.2.2. in the vicinity of the rectangle the 'base approval number' contained in section 4 of the type-approval number referred to in Annex VII of Directive 70/156/EEC, preceded by the two figures indicating the sequence number assigned to the most recent major technical amendment to Directive 77/539/EEC on the date EEC type approval was granted. In this Directive the sequence number is 00;

4.2.3. an additional symbol consisting of the letters 'A' and 'R', mingled as shown in figure 1 of Appendix 3.

4.2.4. On lamps of which the visibility angles are asymmetrical with regard to the reference axis in a horizontal direction, an arrow pointing towards the side on which the photometric specifications are met up to an angle of 45° H.

4.3. The EC component type-approval mark shall be affixed to the lens of the lamp or one of the lenses in such a way as to be indelible and clearly legible even when the lamps are fitted to the vehicle.

4.4. Examples of the EC component type-approval mark are given in Appendix 3, Figure 1.

4.5. Where a single EC component type-approval number is issued, as per item 3.4 above, for a type of lighting and light-signalling device comprising a reversing lamp and other lamps, a single EC component type-approval mark may be affixed, consisting of:

4.5.1. a rectangle surrounding the letter 'e' followed by the distinguishing number or letters of the Member State which has granted type approval (see item 4.2.1);

4.5.2. the base approval number (see item 4.2.2, first half-sentence);

4.5.3. if necessary, the required arrow, in so far as it relates to the lamp assembly as a whole.

4.6. This mark may be located anywhere on the lamps which are grouped, combined or reciprocally incorporated, provided that:

4.6.1. it is visible after the installation of the lamps;

4.6.2. no light-transmitting components of the grouped, combined or reciprocally incorporated lamps can be removed without simultaneously removing the approval mark.

4.7. The identification symbol for each lamp corresponding to each Directive pursuant to which EC component type approval was granted, together with the sequence number (see item 4.2.2, second half-sentence) and, where necessary, the letter 'D' and the required arrow shall be marked:

- 4.7.1. either on the appropriate light-emitting surface;
- 4.7.2. or in a group, in such a way that each of the grouped, combined or reciprocally incorporated lamps may be clearly identified.
- 4.8. The dimensions of the components of this mark must not be less than the minimum dimensions specified for individual marks by the various Directives pursuant to which EC component type approval was granted.
- 4.9. Examples of an EC component type-approval mark for a lamp that is grouped, combined or reciprocally incorporated with other lamps are given in Appendix 3, Figure 2.

## 5. MODIFICATIONS OF THE TYPE AND AMENDMENTS TO APPROVALS

- 5.1. In the case of modifications of the type approved pursuant to this Directive, the provisions of Article 5 of Directive 70/156/EEC shall apply.

## 6. CONFORMITY OF PRODUCTION

- 6.1. As a general rule, 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.
- 6.2. Every reversing lamp shall comply with the photometric conditions specified in paragraphs 6 and 8(\*). Nevertheless, in the case of a reversing lamp selected at random from series production, the requirements as to minimum intensity of the light emitted (measured with a standard filament lamp as referred to in paragraph 7(\*)) shall be limited in each relevant direction to 80 % of the minimum value prescribed in paragraph 6(\*),

---

(\*) Of the documents referred to in point 2.1 of Annex II of the present Directive.

## Appendix 1

## Information document No ...

## relating to the EC component type-approval of reversing lamps

(Directive 77/539/EEC, 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 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 and general commercial description(s): .....
- 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 approval mark: .....
- 0.8. Address(es) of assembly plant(s): .....

## 1. DESCRIPTION OF THE DEVICE

- 1.1. Type of device: .....
- 1.1.1. Device function(s): .....
- 1.1.2. Category or class of device: .....
- 1.2.3. Colour of the light emitted or reflected: .....
- 1.2. Drawing(s) in sufficient detail to permit identification of the type of the device and showing .....
  - 1.2.1. in what geometrical position the device is to be mounted on the vehicle (not applicable to rear registration plate lamps): .....
  - 1.2.2. the axis of observation to be taken as the axis of reference in the tests (horizontal angle  $H = 0^\circ$ , vertical angle  $V = 0^\circ$ ) and the point to be taken as the centre of reference in the said tests (not applicable to retro-reflecting devices and rear registration plate lamps): .....
  - 1.2.3. the position intended for the EC component type-approval mark: .....
  - 1.2.4. for rear registration plate lamps, the geometrical position in which the device is to be fitted in relation to the space to be occupied by the registration plate, and the outline of the area adequately illuminated: .....
  - 1.2.5. for headlamps and front fog lamps, a frontal view of the lamps with details of lens ribbing, if any, and the cross section: .....
- 1.3. A brief technical description stating, in particular, with the exception of lamps with non replaceable light sources, the category or categories of light sources prescribed which shall be one or more of those contained in Directive 76/761/EEC (not applicable to retro-reflecting devices): .....

- 1.4. Specific information .....
- 1.4.1. For rear registration plate lamps, a statement whether the device is intended to illuminate a wide/tall/both wide and tall plate: .....
- 1.4.2. For headlamps, .....
- 1.4.2.1. information whether the headlamp is intended to provide both a dipped beam and main beam or only one of those beams: .....
- 1.4.2.2. information in case the headlamp is intended to provide a dipped beam, if it is designed for both left-hand and right-hand traffic or for either left-hand or right-hand traffic only: .....
- 1.4.2.3. if the headlamp is equipped with an adjustable reflector, an indication of the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only: .....
- 1.4.3. For position lamps, stop lamps and direction indicators, .....
- 1.4.3.1. if the device may also be used in an assembly of two lamps of the same category: .....
- 1.4.3.2. in the case of a device with two levels of intensity (stop lamps and category 2b direction indicators), arrangement diagram and specification of the characteristics of the system ensuring the two levels of intensity: .....
- 1.4.4. For retro-reflecting devices, a brief description giving the technical specifications of the materials of the retro-reflecting optical unit: .....
- 1.4.5. For reversing lamps, a statement whether the device is intended to be installed on a vehicle exclusively in a pair of devices: .....

## Appendix 2

## MODEL

(maximum format: A4 (210 × 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 a vehicle/component/separate technical unit<sup>(1)</sup> with regard to Directive .../.../EEC, as last amended by Directive .../.../EC

Type-approval number: .....

Reason for extension: .....

## SECTION I

- 0.1. Make (trade name of manufacturer): .....
- 0.2. Type and general commercial description(s): .....
- 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 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 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.

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

<sup>(2)</sup> If the means of identification of type contains characters not relevant to describe 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 Annex II A to Directive 70/156/EEC.

#### *Addendum to EC type-approval certificate No ...*

concerning the component type-approval of a lighting and/or light-signalling device with regard to Directive(s) 76/757/EEC; 76/758/EEC; 76/759/EEC; 76/760/EEC; 76/761/EEC; 76/762/EEC; 77/538/EEC; 77/539/EEC and 77/540/EEC<sup>(1)</sup> as last amended by Directive(s) ...

#### 1. ADDITIONAL INFORMATION

##### 1.1. Where applicable, indicate for each lamp

1.1.1. The category(ies) of the device(s): .....

1.1.2. The number and category of light sources (not applicable to retro reflector)<sup>(2)</sup> .....

1.1.3. The colour of the light emitted or reflected: .....

1.1.4. Approval granted solely for use as a replacement part on vehicles already in service: Yes/No<sup>(1)</sup> ....

##### 1.2. Specific information for certain types of lighting or light-signalling devices .....

1.2.1. For retro-reflecting devices: In isolation/part of an assembly of devices<sup>(1)</sup> .....

1.2.2. For rear registration plate lamps: Device for illuminating a tall plate/a wide plate<sup>(1)</sup> .....

1.2.3. For headlamps: If equipped with an adjustable reflector, the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only: .....

1.2.4. For reversing lamps: This device shall be installed on a vehicle only as part of a pair of devices: Yes/No<sup>(1)</sup> .....

#### 5. REMARKS

##### 5.1. Drawings

5.1.1. For rear registration plate lamps: the attached drawing No ... shows the geometric position in which the device is to be fitted in relation to the space to be occupied by the registration plate, and the outline of the area adequately illuminated;

5.1.2. For retro-reflecting devices: the attached drawing No ... shows the geometric position in which the device is to be fitted to the vehicle;

5.1.3. For all other lighting and light signalling devices: the attached drawing No ... shows the geometric position in which the device is to be fitted to the vehicle, and the axis of reference and centre of reference of the device.

5.2. For headlamps: operating mode used during the test (item 5.2.3.9. of Annex I to Directive 76/761/EEC): .....

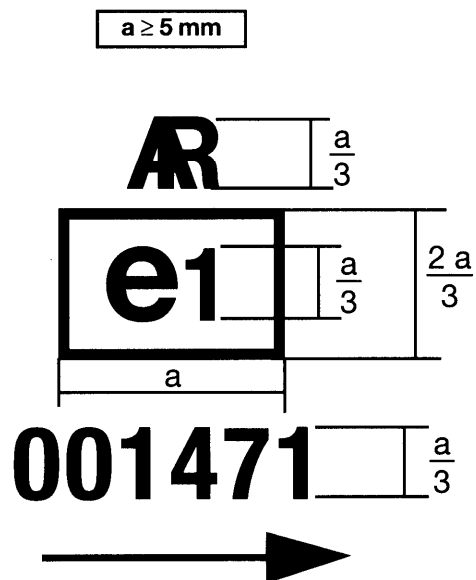
<sup>(1)</sup> Delete where not applicable.

<sup>(2)</sup> For lamps with non replaceable light sources, indicate the number and the total wattage of the light sources.

## Appendix 3

## EXAMPLES OF THE EC COMPONENT TYPE-APPROVAL MARK

Figure 1



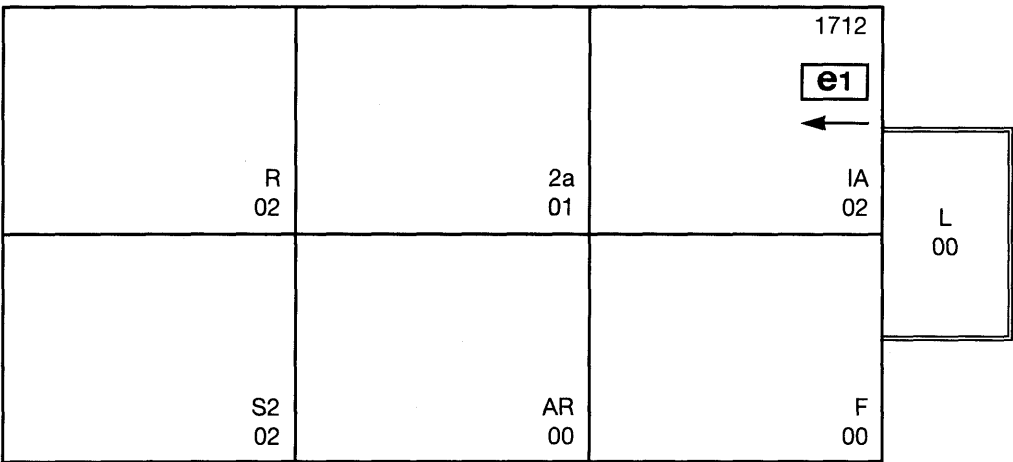
The device bearing the EC component type-approval mark shown above is a reversing lamp, type approved in Germany (e1) pursuant to this Directive (00) under the base approval number 1471. The arrow indicates the side on which the required photometric specifications are met up to an angle of 45°H.

Figure 2

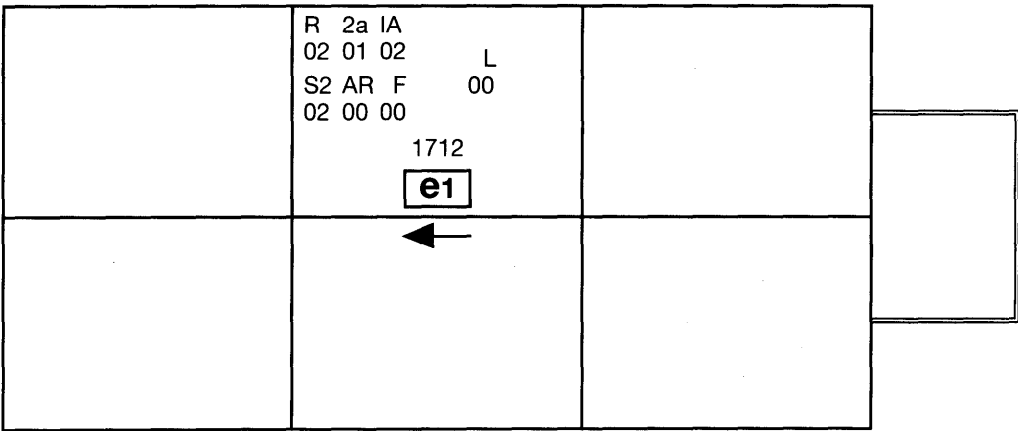
Simplified marking of grouped, combined or reciprocally incorporated lamps when two or more lamps are part of the same assembly

(The vertical and horizontal lines schematize the shape of the light-signalling device. These are not part of the approval mark).

MODEL A



MODEL B



MODEL C

|  |  |  |          |          |          |                 |
|--|--|--|----------|----------|----------|-----------------|
|  |  |  | R<br>02  | 2a<br>01 | IA<br>02 | L<br>00         |
|  |  |  | S2<br>02 | AR<br>00 | F<br>00  |                 |
|  |  |  |          |          |          | 1712<br>e1<br>← |

*Note:* The three examples of approval marks, models A. B. and C represent three possible variants of the marking of a lighting and light-signalling device when two or more lamps are part of the same unit of grouped, combined or reciprocally incorporated lamps. This approval marks shows that the device was approved in Germany (e1) under the base approval number 1712 and comprises:

- A retro reflector of class IA approved in accordance with Directive 76/757/EEC, sequence No 02;
- A rear direction indicator of category 2a approved in accordance with Conseil Directive 76/759/EEC (OJ No L 262, 27. 9. 1976, p. 32);
- A red rear position lamp (R) approved in accordance with Annex II to Council Directive 76/758/EEC (OJ No L 262, 27. 9. 1976, p. 70), sequence No 02;
- A rear fog lamp (F) approved in accordance with Council Directive 77/538/EEC (OJ No L 262, 27. 9. 1976, p. 54);
- A reversing lamp (AR) approved in accordance with Directive 77/539/EEC, sequence No 00;
- A stop lamp with two levels of intensity (S2) approved in accordance with Annex II to Directive 76/758/EEC sequence No 02;
- A rear registration plate lamp (L) approved in accordance with Council Directive 76/760/EEC (OJ No L 262, 27. 9. 1976, p. 85), sequence No 00.

## ANNEX II

## SCOPE AND TECHNICAL REQUIREMENTS

## 1. SCOPE

This Directive applies to reversing lamps for motor vehicles and their trailers.

## 2. TECHNICAL REQUIREMENTS

2.1. The technical requirements are those set out in paragraphs 1, 5 to 8 and Annexes 3 and 4 of UN-ECE Regulation No 23 which consists of a consolidation of the following documents:

- the Regulation in its original form (00) incorporating Supplements 1 to 4 to Regulation No 23 and a Correction<sup>(1)</sup>;
- Supplement 5 to Regulation 23<sup>(2)</sup>.

except that:

- 2.1.1. Where reference is made to "Regulation No 48", this shall be understood as "Directive 76/756/EEC".
- 2.1.2. Where reference is made to "Regulation No 37", this shall be understood as "Annex VII to Directive 76/761/EEC".
- 2.1.3. In paragraph 6.4, penultimate section, the sentence "(see paragraph 2 of this Regulation)" shall be understood as "(see Appendix 1 of Annex I to this Directive)".
- 2.1.4. In paragraph 6.4, last section, the sentence "a statement in paragraph 11 "Comments" of the Communication form (see Annex I to this Regulation)" shall be understood as "a statement in the Addendum to the type-approval certificate (see Appendix 2 of Annex I to this Directive)".

---

|                            |   |                                  |
|----------------------------|---|----------------------------------|
| ( <sup>1</sup> ) E/ECE/324 | } | Rev. 1/Add. 22/Rev. 1.           |
| E/ECE/TRANS/505            |   |                                  |
| ( <sup>2</sup> ) E/ECE/324 | } | Rev. 1/Add. 22/Rev. 1/Amend. 1.' |
| E/ECE/TRANS/505            |   |                                  |