

Commission Regulation (EC) No 692/2008 of 18 July 2008 implementing and amending Regulation (EC) No 715/2007 of the European Parliament and of the Council on type-approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information (Text with EEA relevance)

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*Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EC) No 692/2008, ANNEX XIII. (See end of Document for details)*

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## ANNEX XIII

### EC TYPE-APPROVAL OF REPLACEMENT POLLUTION CONTROL DEVICES AS SEPARATE TECHNICAL UNIT

#### 1. INTRODUCTION

- 1.1. This Annex contains additional requirement for the type-approval as separate technical units of pollution control devices.

#### 2. GENERAL REQUIREMENTS

##### 2.1. Marking

Original replacement pollution control devices shall bear at least the following identifications:

- (a) the vehicle manufacturer's name or trade mark;
- (b) the make and identifying part number of the original replacement pollution control device as recorded in the information mentioned in point 2.3.

##### 2.2. Documentation

Original replacement pollution control devices shall be accompanied by the following information:

- (a) the vehicle manufacturer's name or trade mark;
- (b) the make and identifying part number of the original replacement pollution control device as recorded in the information mentioned in point 2.3;
- (c) the vehicles for which the original replacement pollution control device is of a type covered by point 2.3 of the Addendum to Appendix 4 to Annex I, including, where applicable, a marking to identify if the original replacement pollution control device is suitable for fitting to a vehicle that is equipped with an on-board diagnostic (OBD) system;
- (d) installation instructions, where necessary.

This information shall be available in the product catalogue distributed to points of sale by the vehicle manufacturer.

- 2.3. The vehicle manufacturer shall provide to the technical service and/or approval authority the necessary information in electronic format which makes the link between the relevant part numbers and the type-approval documentation.

This information shall contain the following:

- (a) make(s) and type(s) of vehicle,
- (b) make(s) and type(s) of original replacement pollution control device,
- (c) part number(s) of original replacement pollution control device,
- (d) type-approval number of the relevant vehicle type(s).

#### 3. EC SEPARATE TECHNICAL UNIT TYPE-APPROVAL MARK

- 3.1. Every replacement pollution control device conforming to the type approved under this Regulation as a separate technical unit shall bear an EC type-approval mark.

3.2. This mark shall consist of a rectangle surrounding the lower-case letter 'e' followed by the distinguishing number or letter(s) of the Member State which has granted the EC type-approval:

1. for Germany
2. for France
3. for Italy
4. for the Netherlands
5. for Sweden
6. for Belgium
7. for Hungary
8. for Czech Republic
9. for Spain
11. for the United Kingdom
12. for Austria
13. for Luxembourg
17. for Finland
18. for Denmark
19. for Romania
20. for Poland
21. for Portugal
23. for Greece
24. for Ireland
25. [<sup>F1</sup>for Croatia]
26. for Slovenia
27. for Slovakia
29. for Estonia
32. for Latvia
34. for Bulgaria
36. for Lithuania
49. for Cyprus
50. for Malta

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### Textual Amendments

- F1** Inserted by Commission Regulation (EU) No 519/2013 of 21 February 2013 adapting certain regulations and decisions in the fields of free movement of goods, freedom of movement for persons, right of establishment and freedom to provide services, company law, competition policy, agriculture, food safety, veterinary and phytosanitary policy, fisheries, transport policy, energy, taxation, statistics, social policy and employment, environment, customs union, external relations, and foreign, security and defence policy, by reason of the accession of Croatia.

The EC type-approval mark shall also include in the vicinity of the rectangle the ‘base approval number’ contained in section 4 of the type-approval number referred to in Annex VII to Directive 2007/46/EC, preceded by the two figures indicating the sequence number assigned to the latest major technical amendment to Regulation (EC) No 715/2007 or this Regulation on the date EC type-approval for a separate technical unit was granted. For this Regulation, the sequence number is 00.

3.3. The EC type-approval mark shall be affixed to the replacement pollution control device in such a way as to be clearly legible and indelible. It shall, wherever possible, be visible when the replacement pollution control device is installed on the vehicle.

3.4. Appendix 3 to this Annex gives example of the EC type-approval mark.

## 4. TECHNICAL REQUIREMENTS

4.1. The requirements for the type-approval of replacement pollution control devices shall be those of Section 5 of UN/ECE Regulation 103 with the exceptions set out in sections 4.1.1 to 4.1.4.

4.1.1. The terms ‘catalytic converter’ and ‘converter’ used in section 5 of UN/ECE Regulation 103 shall be understood to mean ‘pollution control device’

4.1.2. The regulated pollutants referred to throughout section 5.2.3 of UN/ECE Regulation 103 shall be replaced by all the pollutants specified in Annex 1, Tables 1 and 2 of Regulation (EC) No 715/2007 for replacement pollution control devices intended to be fitted to vehicles type approved to Regulation (EC) No 715/2007.

4.1.3. For replacement pollution control devices standards intended to be fitted to vehicles type approved to Regulation (EC) No 715/2007, the durability requirements and associated deterioration factors specified in section 5 of UN/ECE Regulation 103, shall refer to those specified in Annex VII of this Regulation.

4.1.4. Reference to Appendix 1 of the type-approval communication in section 5.5.3 of UN/ECE Regulation 103 shall be understood as reference to the addendum to the EC type-approval certificate on vehicle OBD information (Appendix 5 to Annex I).

4.2. For vehicles with positive-ignition engines, if the THC and NMHC emissions measured during the demonstration test of a new original equipment catalytic converter, under paragraph 5.2.1 of UN/ECE Regulation 103, are higher than the values measured during the type-approval of the vehicle, the difference shall be added to the OBD threshold limits. The OBD threshold limits are specified in either:

(a) point 3.3.2 of Annex 11 to UN/ECE Regulation 83 for replacement parts intended to be fitted on vehicles type-approved to Directive 70/220/EEC; or

(b) point 2.3 of Annex XI of this Regulation for replacement parts intended to be fitted on vehicles type-approved to Regulation (EC) No 715/2007.

- 4.3. The revised OBD threshold limits will apply during the tests of OBD compatibility set out in paragraphs 5.5 to 5.5.5 of UN/ECE Regulation 103. In particular, when the exceedance allowed in paragraph 1 of Appendix 1 to Annex 11 to UN/ECE Regulation 83 is applied.
- 4.4. Requirements for replacement periodically regenerating systems
- 4.4.1. Requirements regarding emissions
- 4.4.1.1. The vehicle(s) indicated in Article 11(3), equipped with a replacement periodically regenerating system of the type for which approval is requested, shall be subject to the tests described in Section 3 of Annex 13 of UN/ECE Regulation 83, in order to compare its performance with the same vehicle equipped with the original periodically regenerating system.
- 4.4.2. Determination of the basis for comparison
- 4.4.2.1. The vehicle shall be fitted with a new original periodically regenerating system. The emissions performance of this system shall be determined following the test procedure set out in section 3 of Annex 13 of UN/ECE Regulation 83.
- 4.4.2.2. Upon request of the applicant for the approval of the replacement component, the approval authority shall make available on a non-discriminatory basis, the information referred to in points 3.2.12.2.1.11.1 and 3.2.12.2.6.4.1 of the information document contained in Appendix 3 to Annex I to this Regulation for each vehicle tested.
- 4.4.3. Exhaust gas test with a replacement periodically regeneration system
- 4.4.3.1. The original equipment periodically regenerating system of the test vehicle(s) shall be replaced by the replacement periodically regenerating system. The emissions performance of this system shall be determined following the test procedure set out in paragraph 3 Annex 13 of UN/ECE Regulation 83.
- 4.4.3.2. To determine the D-factor of the replacement periodically regenerating system, any of the engine bench methods referred to in paragraph 3 of Annex 13 of UN/ECE Regulation 83 may be used.
- 4.4.4. Other requirements

The requirements of paragraphs 5.2.3, 5.3, 5.4 and 5.5 of UN/ECE Regulation 103 shall apply to replacement periodically regenerating systems. In these paragraphs the words ‘catalytic converter’ shall be understood to mean ‘periodically regenerating system’. In addition the exceptions made to these paragraphs in section 4.1 of this annex shall also apply to periodically regenerating systems.

## 5. DOCUMENTATION

- 5.1. Each replacement pollution control device shall be clearly and indelibly marked with the manufacturer’s name or trade mark and accompanied by the following information:
- (a) the vehicles (including year of manufacture) for which the replacement pollution control device is approved, including, where applicable, a marking to identify if the replacement pollution control device is suitable for fitting to a vehicle that is equipped with an on-board diagnostic (OBD) system;
- (b) installation instructions, where necessary.

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The information shall be available in the product catalogue distributed to points of sale by the manufacturer of replacement pollution control devices.

## 6. CONFORMITY OF PRODUCTION

6.1. Measures to ensure the conformity of production shall be taken in accordance with the provisions laid down in Article 12 of Directive 2007/46/EC.

6.2. Special provisions

6.2.1. The checks referred to in point 2.2 of Annex X to Directive 2007/46/EC shall include compliance with the characteristics as defined under point 8 of Article 2 of this Regulation.

6.2.2. For the application of Article 12(2) of Directive 2007/46/EC, the tests described in section 4.4.1 of this Annex and section 5.2 of UN/ECE Regulation No 103 (requirements regarding emissions) may be carried out. In this case, the holder of the approval may request, as an alternative, to use as a basis for comparison not the original equipment pollution control device, but the replacement pollution control device which was used during the type-approval tests (or another sample that has been proven to conform to the approved type). Emissions values measured with the sample under verification shall then on average not exceed by more than 15 % the mean values measured with the sample used for reference.

## Appendix 1

### MODEL

#### Information document No ...

relating to the EC type-approval of replacement pollution control devices

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 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:

0.2.1. Commercial name(s), if available:

0.5. Name and address of manufacturer:

Name and address of authorised representative, if any:

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. Make and type of the replacement pollution control device:

1.2. Drawings of the replacement pollution control device, identifying in particular all the characteristics referred to under point 8 of Article 2 of [this Regulation]:

1.3. Description of the vehicle type or types for which the replacement pollution control device is intended:

1.3.1. Number(s) and/or symbol(s) characterising the engine and vehicle type(s):

1.3.2. Is the replacement pollution control device intended to be compatible with OBD requirements (Yes/No)<sup>(1)</sup>

1.4. Description and drawings showing the position of the replacement pollution control device relative to the engine exhaust manifold(s):

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## Appendix 2

### MODEL EC TYPE-APPROVAL CERTIFICATE

(Maximum format: A4 (210 mm × 297 mm))

#### EC TYPE-APPROVAL CERTIFICATE

Stamp of administration

Communication concerning the:

- EC type-approval<sup>(2)</sup>,
- extension of EC type-approval<sup>(2)</sup>,
- refusal of EC type-approval<sup>(2)</sup>,
- withdrawal of EC type-approval<sup>(2)</sup>,

of a type of component/separate technical unit<sup>(2)</sup>

with regard to Regulation (EC) No 715/2007, as implemented by Regulation (EC) No 692/2008.

Regulation (EC) No 715/2007 or Regulation (EC) No 692/2008 as last amended by

EC type-approval number: ...

Reason for extension: ...

#### SECTION I

- 0.1. Make (trade name of manufacturer):
- 0.2. Type:
- 0.3. Means of identification of type if marked on the component/separate technical unit<sup>(3)</sup>:
  - 0.3.1. Location of that marking:
- 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. Name and address(es) of assembly plant(s):
- 0.9. Name and address of manufacturer's representative (if any):

#### SECTION II

1. Additional information
  - 1.1. Make and type of the replacement pollution control device:
  - 1.2. Vehicle type(s) for which the pollution control device type qualifies as replacement part:



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- 1.3. Type(s) of vehicle(s) on which the replacement pollution control device has been tested:
  - 1.3.1. Has the replacement pollution control device demonstrated compatibility with OBD requirements (yes/no)<sup>(2)</sup>: ...
2. Technical service responsible for carrying out the tests:
3. Date of test report:
4. Number of test report:
5. Remarks:
6. Place:
7. Date:
8. Signature:

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*Attachments:*

Information package. Test report.
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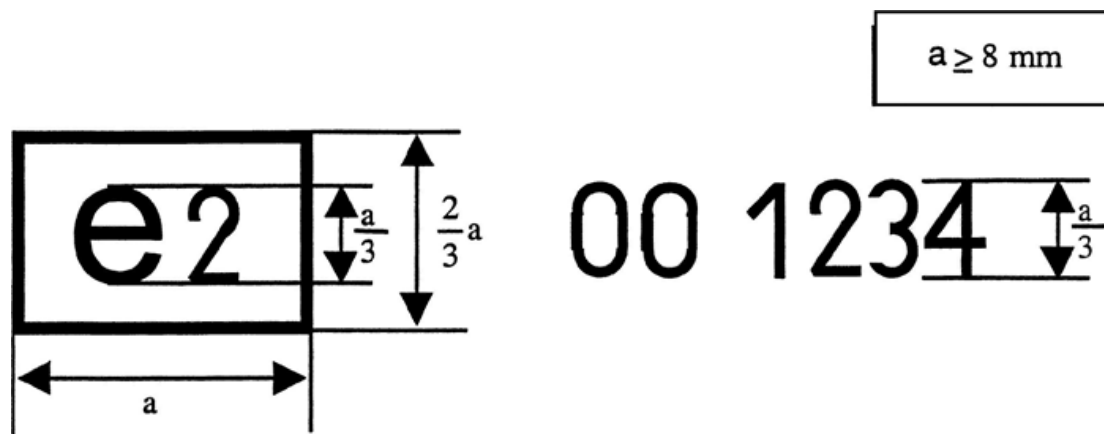
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### Appendix 3

Example of the EC type-approval marks

(see point 5.2 of this Annex)



The above approval mark affixed to a component of a replacement pollution control device shows that the type concerned has been approved in France (e 2), pursuant to this Regulation. The first two digits of the approval number (00) indicate that this part was approved according to this Regulation. The following four digits (1234) are those allocated by the approval authority to the replacement pollution control device as the base approval number.

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- (1) Delete where not applicable
- (2) Delete where not applicable
- (3) 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 document by the symbol: ‘?’ (e.g. ABC??123??).

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