

Commission Regulation (EU) No 1008/2010 of 9 November 2010 concerning type-approval requirements for windscreen wiper and washer systems of certain motor vehicles and implementing Regulation (EC) No 661/2009 of the European Parliament and of the Council concerning type-approval requirements for the general safety of motor vehicles, their trailers and systems, components and separate technical units intended therefor (Text with EEA relevance)

Article 1	Scope
Article 2	Definitions
Article 3	EC type-approval of a vehicle with regard to its windscreen wiper and washer systems
Article 4	EC separate technical unit type-approval of windscreen washer systems
Article 5	EC separate technical unit type-approval mark
Article 6	Validity and extension of approvals granted under Directive 78/318/EEC
Article 7	Entry into force Signature

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## ANNEX I

Administrative documents for EC type-approval of motor vehicles with regard to their windscreen wiper and washer systems

### PART 1

#### Information document

#### MODEL

0. GENERAL
  - 0.1. Make (trade name of manufacturer): ...
  - 0.2. Type: ...
    - 0.2.1. Commercial name(s) (if available): ...
  - 0.3. Means of identification of type, if marked on the vehicle: ...
    - 0.3.1. Location of that marking: ...
  - 0.4. Category of vehicle: ...
  - 0.5. Name and address of manufacturer: ...
  - 0.8. Name(s) and address(es) of assembly plant(s): ...
  - 0.9. Name and address of the manufacturer's representative (if any): .....
1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE
  - 1.1. Photographs and/or drawings of a representative vehicle: ...
3. POWER PLANT
  - 3.2. Internal combustion engine
    - 3.2.1.8. Maximum net power: ... kW at ... min<sup>-1</sup> (manufacturer's declared...)
    - 3.2.5. Electrical system
      - 3.2.5.1. Rated voltage: ... V, positive/negative ground

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- 3.2.5.2. Generator
  - 3.2.5.2.1 Type: ...
  - 3.2.5.2.2 Nominal output: ... VA
- 3.3. Electric motor
  - 3.3.1.1. Maximum hourly output: ... kW
  - 3.3.1.2. Operating voltage: ... V
  - 3.3.2. Battery
    - 3.3.2.3. Capacity: ... Ah (Amp-hours)
- 3.4. Engine or motor combination
  - 3.4.1. Hybrid electric vehicle: yes/no
  - 3.4.2. Category of hybrid electric vehicle: off-vehicle charging/not off-vehicle charging:
  - 3.4.4. Description of the energy storage device: (battery, capacitor, flywheel/generator)
    - 3.4.4.5. Energy: ...
    - 3.4.4.6. Charger: on board/external/without
- 4. TRANSMISSION
  - 4.7. Maximum vehicle design speed (in km/h): ...
- 9. BODYWORK
  - 9.2. Materials used and methods of construction: ...
  - 9.4. Field of vision
    - 9.4.1. Particulars of the primary reference marks in sufficient detail to...
  - 9.5. Windscreen and other windows
    - 9.5.1. Windscreen
      - 9.5.1.1. Materials used: ...
      - 9.5.1.2. Method of mounting: ...
      - 9.5.1.3. Angle of inclination: ...
      - 9.5.1.4. Type-approval number(s): ...
      - 9.5.1.5. Windscreen accessories and the position in which they are fitted...
  - 9.6. Windscreen wiper system
    - 9.6.1. Detailed technical description (including photographs or drawings): ...
  - 9.7. Windscreen washer system
    - 9.7.1. Detailed technical description (including photographs or drawings) or, if approved...
  - 9.8. Defrosting and demisting
    - 9.8.2. Maximum electrical consumption: ...kW
  - 9.10. Interior arrangement
    - 9.10.3. Seats
      - 9.10.3.5 Coordinates or drawing of the R-point
        - 9.10.3.5.1 Driver's seat: ...
      - 9.10.3.6 Design torso angle
        - 9.10.3.6.1 Driver's seat: ...

Explanatory notes

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## PART 2

### EC type-approval certificate

MODEL Format: A4 (210 × 297 mm) EC TYPE-APPROVAL CERTIFICATE Stamp of type-approval authority...EC TYPE-APPROVAL CERTIFICATE Stamp of type-approval authority Communication concerning: Delete...

#### SECTION I

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

- 0.1. Make (trade name of manufacturer): ...
- 0.2. Type: ...
  - 0.2.1. Commercial name(s) (if available): ...
- 0.3. Means of identification of type, if marked on the vehicle: ...
  - 0.3.1. Location of that marking: ...
- 0.4. Category of vehicle: ...
- 0.5. Name and address of manufacturer: ...
- 0.8. Name(s) and address(es) of assembly plant(s): ...
- 0.9. Name and address of the manufacturer's representative (if any): .....

#### SECTION II

1. Additional information: see Addendum.

- 1. Additional information: 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: ...

#### Addendum

to EC type-approval certificate No ...

- 1. Additional information:
- 2. Hand of drive: left/right
- 3. Left hand drive and mirror-opposite right hand drive systems: yes/no...
- 4. Aerodynamic spoiler fitted onto the wiper arm/wiper blade at driver...
- 5. Remarks: ...

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## ANNEX II

### Administrative documents for EC type-approval of windscreen washer systems as separate technical units

#### PART 1

##### Information document

#### MODEL

0. GENERAL
  - 0.1. Make (trade name of manufacturer): ...
  - 0.2. Type: ...
  - 0.3. Means of identification of type, if marked on the separate...
    - 0.3.1. Location of that marking: ...
  - 0.5. Name and address of manufacturer: ...
  - 0.7. In case of separate technical units, location and method of...
  - 0.8. Name(s) and address(es) of assembly plant(s): ...
  - 0.9. Name and address of the manufacturer's representative (if any): .....
  - 9.7. Windscreen washer
    - 9.7.1. Detailed technical description (including photographs or drawings): ...

#### Explanatory notes

#### PART 2

##### EC type-approval certificate

MODEL Format: A4 (210 × 297 mm) EC TYPE-APPROVAL CERTIFICATE Stamp of type-approval authority...EC TYPE-APPROVAL CERTIFICATE Stamp of type-approval authority Communication concerning: Delete...

#### SECTION I

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

- 0.1. Make (trade name of manufacturer): ...
- 0.2. Type: ...
- 0.3. Means of identification of type, if marked on the separate...
  - 0.3.1. Location of that marking: ...
- 0.5. Name and address of manufacturer: ...
- 0.7. Location and method of affixing of the EC approval mark:...
- 0.8. Name(s) and address(es) of assembly plant(s): ...
- 0.9. Name and address of the manufacturer's representative (if any): .....

#### SECTION II

1. Additional information: see Addendum.

1. Additional information: 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.

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6. Place: ...
7. Date: ...
8. Signature: ...

### PART 3

#### EC separate technical unit type-approval mark

1. The EC separate technical unit type-approval mark shall consist of:..
  - 1.1. A rectangle surrounding the lower-case letter 'e' followed by the...
  - 1.2. In the vicinity of the rectangle the 'base approval number'...
2. The EC separate technical unit type-approval mark shall be affixed...
3. An example of an EC separate technical unit type-approval mark...

Explanatory note

### ANNEX III

#### Requirements for windscreen wiper and washer systems

1. SPECIFIC REQUIREMENTS
  - 1.1. Windscreen wiper system.
    - 1.1.1. Every vehicle shall be equipped with a windscreen wiper system...
      - 1.1.1.1. The windscreen wiper system shall consist of one or more...
    - 1.1.2. The windscreen wiper field shall cover at least 98 % of...
    - 1.1.3. The windscreen wiper field shall cover at least 80 % of...
    - 1.1.4. The windscreen wiper field shall meet the requirements of paragraph...
    - 1.1.5. The windscreen wiper system shall have at least two sweep...
    - 1.1.6. The frequencies referred to in paragraph 1.1.5. to 1.1.5.3. shall...
    - 1.1.7. When the windscreen wiper system is stopped as a result...
    - 1.1.8. The windscreen wiper system shall be capable of withstanding stalling...
    - 1.1.9. The capability to withstand stalling of the windscreen wiper system...
    - 1.1.10. If the position of rest of the windscreen wiper arm(s)...
    - 1.1.11. The windscreen wiper system shall be capable of operating for...
    - 1.1.12. The performance of the windscreen wiper system at - 18 °C shall...
    - 1.1.13. The windscreen wiper system shall continue to meet the requirements...
  - 1.2. Windscreen washer system.
    - 1.2.1. Every vehicle shall be fitted with a windscreen washer system...
    - 1.2.2. The performance of the windscreen washer system shall not be...
    - 1.2.3. The windscreen washer system shall have the ability to spray...
    - 1.2.4. The windscreen washer system shall be capable of delivering sufficient...
    - 1.2.5. The windscreen washer system shall be capable of being manually...
    - 1.2.6. The capacity of the reservoir containing the liquid shall not...
2. TEST PROCEDURE
  - 2.1. Windscreen wiper system test conditions.
    - 2.1.1. The tests described below shall be carried out under the...
    - 2.1.2. The ambient temperature shall be between 5 °C and 40 °C.
    - 2.1.3. The windscreen shall be kept constantly wet.

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- 2.1.4. In the case of an electric windscreen wiper system, the...
  - 2.1.4.1. All batteries shall be fully charged at the start of...
  - 2.1.4.2. The engine, if fitted, shall run at a speed not...
  - 2.1.4.3. The passing beam headlamps shall be switched on.
  - 2.1.4.4. All fitted heating, ventilation, defrosting and demisting systems (regardless of...
- 2.1.5. Compressed air or vacuum operated windscreen wiper systems shall be...
- 2.1.6. The sweep frequencies of the windscreen wiper system shall comply...
- 2.1.7. The requirements of paragraph 1.1.8. of this Annex shall be...
- 2.1.8. The outer face of the windscreen shall be thoroughly degreased...
- 2.1.9. A coating of the test mixture, in accordance with the...
  - 2.1.9.1. Where the outer face of the windscreen has been prepared...
- 2.1.10. The wiper field of the windscreen wiper system, as prescribed...
  - 2.1.10.1. The outer face of the windscreen shall be treated in...
  - 2.1.10.2. In order to verify that the requirements of paragraph 1.1.2....
  - 2.1.10.3. The technical service may agree to an alternative test procedure...
- 2.1.11. The requirements of paragraph 1.1.11. shall be met at an...
- 2.2. Windscreen washer system test conditions.
  - 2.2.1. Test No 1. The windscreen washer system shall be filled...
    - 2.2.1.1. All nozzle outlets shall be plugged and the windscreen washer...
      - 2.2.1.1.1. If the windscreen washer system is powered by the muscular...
        - 2.2.1.1.2. In case of electric pumps, the test voltage shall not...
    - 2.2.1.2. The performance of the windscreen washer system at the end...
  - 2.2.2. Test No 2. The windscreen washer system shall be filled...
    - 2.2.2.1. The windscreen washer control shall be actuated six times in...
  - 2.2.3. Test No 3. Low temperature cycle exposure test.
    - 2.2.3.1. The windscreen washer system shall be filled with water, fully...
    - 2.2.3.2. The windscreen washer system shall be filled and fully primed...
  - 2.2.4. Test No 4. High temperature cycle exposure test.
    - 2.2.4.1. If any part of the windscreen washer system is situated...
    - 2.2.4.2. If no part of the windscreen washer system is situated...
  - 2.2.5. The windscreen washer tests as set out in paragraph 2.2.1....
  - 2.2.6. Test No 5. Windscreen washer system capability test
    - 2.2.6.1. The windscreen washer system shall be filled with water and...
    - 2.2.6.2. The outer face of the windscreen shall be treated as...
    - 2.2.6.3. The windscreen washer system shall be actuated according to the...
    - 2.2.6.4. In order to verify that the requirements of paragraph 1.2.4....
  - 2.2.7. The test as set out in paragraph 2.2.6. to 2.2.6.4....

## Appendix 1

Procedure for verification of the R-point or seating reference point...

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## Appendix 2

Procedure for determining primary reference marks in the three-dimensional reference...

## Appendix 3

Procedure for determining vision areas on windcreens of vehicles

## Appendix 4

Specifications of the test mixture for testing the windscreen wiper...

1. The test mixture referred to in paragraph 2.1.9. of Annex...
  - 1.3.1. Specifications of the test dust analysis
  - 1.3.2. Specifications of the particle-size distribution in course-grade dust

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- (1) OJ L 200, 31.7.2009, p. 1.
- (2) OJ L 263, 9.10.2007, p. 1.
- (3) OJ L 81, 28.3.1978, p. 49.



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#### Changes and effects yet to be applied to :

- Regulation words substituted by S.I. 2022/1273 reg. 60(2)(b)
- Annex 1 Pt. 1 notes words substituted by S.I. 2022/1273 reg. 60(9)(a)(i)
- Annex 1 Pt. 1 notes words substituted by S.I. 2022/1273 reg. 60(9)(a)(ii)
- Annex 1 Pt. 2 words substituted by S.I. 2022/1273 reg. 60(9)(b)(i)
- Annex 2 Pt. 3 point 1.1 substituted by S.I. 2022/1273 reg. 60(10)(c)(ii)
- Annex 2 Pt. 3 point 3 image substituted by S.I. 2022/1273 reg. 60(10)(c)(iv)(bb)
- Annex 2 Pt. 1 point 000.7 word substituted by S.I. 2022/1273 reg. 60(10)(a)
- Annex 2 Pt. 2 word substituted by S.I. 2022/1273 reg. 60(10)(b)(ii)
- Annex 2 Pt. 3 heading word substituted by S.I. 2022/1273 reg. 60(10)(c)(i)
- Annex 2 Pt. 3 point 1 word substituted by S.I. 2022/1273 reg. 60(10)(c)(i)
- Annex 2 Pt. 3 point 2 word substituted by S.I. 2022/1273 reg. 60(10)(c)(iii)
- Annex 2 Pt. 3 point 3 word substituted by S.I. 2022/1273 reg. 60(10)(c)(iv)(aa)
- Annex 2 Pt. 3 point 3 note word substituted by S.I. 2022/1273 reg. 60(10)(c)(v)(aa)
- Annex 2 Pt. 3 point 3 note words omitted by S.I. 2022/1273 reg. 60(10)(c)(v)(bb)
- Annex 2 Pt. 2 words substituted by S.I. 2022/1273 reg. 60(10)(b)(i)
- Art. 1 words substituted by S.I. 2022/1273 reg. 60(3)
- Art. 3(3)(4) words substituted by S.I. 2022/1273 reg. 60(2)(a)
- Art. 3(3) words substituted by S.I. 2022/1273 reg. 60(4)(a)
- Art. 3(3) words substituted by S.I. 2022/1273 reg. 60(4)(b)
- Art. 4 heading words substituted by S.I. 2022/1273 reg. 60(5)(a)
- Art. 4 words substituted by S.I. 2022/1273 reg. 60(5)(a)
- Art. 4(2) words substituted by S.I. 2022/1273 reg. 60(5)(b)(i)
- Art. 4(2) words substituted by S.I. 2022/1273 reg. 60(5)(b)(ii)
- Art. 4(3) words substituted by S.I. 2022/1273 reg. 60(2)(a)
- Art. 5 heading word substituted by S.I. 2022/1273 reg. 60(6)(a)
- Art. 5 word substituted by S.I. 2022/1273 reg. 60(6)(a)
- Art. 5 words inserted by S.I. 2022/1273 reg. 60(6)(b)
- Art. 6 words omitted by S.I. 2022/1273 reg. 60(7)(a)
- Art. 6 words substituted by S.I. 2022/1273 reg. 60(7)(b)

#### Changes and effects yet to be applied to the whole legislation item and associated provisions

- Signature words omitted by S.I. 2022/1273 reg. 60(8)
- Annex 1 Pt. 2 s. 1 point 000.4 note words substituted by S.I. 2022/1273 reg. 60(9)(b)(ii)