

Council Directive of 21 December 1977 on the approximation of the laws of the Member States relating to the wiper and washer systems of motor vehicles (78/318/EEC) (repealed)

Article 1 .....  
Article 2 .....  
Article 3 .....  
Article 4 .....  
Article 5 .....  
Article 6 .....  
Article 7 .....

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ANNEX I

SCOPE, DEFINITIONS, APPLICATION FOR THE EEC TYPE-APPROVAL, SPECIFICATIONS, TEST PROCEDURE, MARKINGS, AMENDMENTS TO APPROVALS, CONFORMITY OF PRODUCTION

1. SCOPE
  - 1.1. ....
    - 1.1.1. ....
    - 1.1.2. ....
2. DEFINITIONS
  - (2.1.)
    - 2.1. Vehicle type with regard to its windscreen-wiper and windscreen-washer systems...
      - 2.1.1. ....
      - 2.1.2. ....
      - 2.1.3. ....
    - 2.2. Three-dimensional reference grid
      - 2.2.1. ....
    - 2.3. Primary reference marks
    - 2.5. Seat-back angle
    - 2.4. Actual torso angle
    - 2.5. Design torso angle
    - 2.6. V points
    - 2.7. R point or seating reference point
    - 2.8. H point
    - 2.9. Windscreen datum points
    - 2.10. Transparent area of a windscreen
    - 2.11. Horizontal seat-adjustment range
    - 2.12. Extended seat-adjustment range
    - 2.13. Windscreen-wiper system
    - 2.14. Windscreen-wiper field
    - 2.15. Windscreen-washer system
    - 2.16. Windscreen-washer control

- 2.17. Windscreen-washer pump
- 2.18. Nozzle
- 2.19. Performance of a windscreen-washer system
  
- 3. APPLICATIONS FOR EEC TYPE-APPROVAL
  - 3.1. Application for EEC type-approval for a vehicle type in respect...
    - 3.1.1. ....
    - 3.1.2. ....
    - 3.1.3. ....
  - 3.2. Application for EEC type-approval for a type of windscreen-washer system...
    - 3.2.1. ....
    - 3.2.2. ....
    - 3.2.3. ....
  
- 4. GRANTING OF EEC TYPE-APPROVAL
  - 4.1. ....
  - (4.2.) ....
  - 4.2. ....
  - 4.3. ....
  - (4.5.) ....
  - (4.6.) ....
  - (4.7.) ....
  - (4.8.) ....
  
- 5. SPECIFICATIONS
  - 5.1. Windscreen-wiper system
    - 5.1.1. ....
    - 5.1.2. ....
      - 5.1.2.1. ....
    - 5.1.3. ....
      - 5.1.3.1. ....
      - 5.1.3.2. ....
      - 5.1.3.3. ....
    - 5.1.4. ....
    - 5.1.5. ....
    - 5.1.6. ....
    - 5.1.7. ....
    - 5.1.8. ....
    - 5.1.9. ....
      - 5.1.9.1. ....
    - 5.1.10. ....
    - 5.1.11. ....
  - 5.2. Windscreen-washer system
    - 5.2.1. ....
    - 5.2.2. ....
    - 5.2.3. ....
    - 5.2.4. ....
  
- 6. TEST PROCEDURE
  - 6.1. Windscreen-wiper system
    - 6.1.1. ....
    - 6.1.2. ....
    - 6.1.3. ....

- 6.1.4. ....
- 6.1.5. ....
- 6.1.6. ....
- 6.1.7. ....
- 6.1.8. ....
- 6.1.9. ....
- 6.1.10. ....
  - 6.1.10.1. ....
  - 6.1.10.2. ....
- 6.1.11. ....
- 6.2. Windscreen-washer system
  - 6.2.1. Test No 1
    - 6.2.1.1. ....
    - 6.2.1.2. ....
    - 6.2.1.3. ....
  - 6.2.2. Test No 2
  - 6.2.3. Test No 3 (Low-temperature exposure test)
    - 6.2.3.1. ....
    - 6.2.3.2. ....
      - 6.2.3.2.1. ....
  - 6.2.4. Test No 4 (High-temperature exposure test)
    - 6.2.4.1. ....
    - 6.2.4.2. ....
    - 6.2.4.3. ....
  - 6.2.5. Test No 5 (Windscreen-washer system capability test prescribed in 5.2.3)
    - 6.2.5.1. ....
    - 6.2.5.2. ....
    - 6.2.5.3. ....
- 6.3. ....
- 7. MARKINGS
  - 7.1. ....
  - 7.2. ....
  - 7.3. ....
  - 7.4. ....
- 8. MODIFICATIONS OF THE TYPE AND AMENDMENTS TO APPROVALS
  - 8.1. ....
- 9. CONFORMITY OF PRODUCTION
  - 9.1. ....
- (10.) ....
- (11.) ....
- (12.) ....

Appendix

Model for the EEC type-approval mark

ANNEX II

PROCEDURE FOR DETERMINING THE H POINT AND THE ACTUAL SEAT-BACK ANGLE AND FOR VERIFYING THE RELATIVE POSITIONS OF THE R AND H POINTS AND THE RELATIONSHIP BETWEEN THE DESIGN SEAT-BACK ANGLE AND THE ACTUAL SEAT-BACK ANGLE

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ANNEX III

METHOD FOR DETERMINING THE DIMENSIONAL RELATIONSHIPS BETWEEN THE VEHICLE'S PRIMARY REFERENCE MARKS AND THE THREE-DIMENSIONAL REFERENCE GRID

- 1. RELATIONSHIP BETWEEN REFERENCE GRID AND VEHICLE'S PRIMARY REFERENCE MARKS
- 2. METHOD FOR ESTABLISHING RELATIONSHIP OF REFERENCE GRID TO REFERENCE MARKS...
- 3. EXAMINATION OF THE REFERENCE PLANE
- 4. ACTUAL TEST ATTITUDE
- 5. RESULTS

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ANNEX IV

PROCEDURE FOR DETERMINING VISION AREAS ON WINDSCREENS OF CATEGORY M1 VEHICLES IN RELATION TO THE V POINTS

- 1. POSITIONS OF THE V POINTS
  - 1.1. ....
  - 1.2. ....
  - 1.3. Correction for design seat-back angles other than 25°
    - 1.3.1. ....
- 2. VISION AREAS
  - 2.1. ....
  - 2.2. ....
  - 2.3. ....

ANNEX V

TEST-MIXTURE SPECIFICATION FOR WINDSCREEN-WIPER  
SYSTEM AND WINDSCREEN-WASHER SYSTEM TESTS

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ANNEX VI

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- 0. GENERAL
  - 0.1. ....
  - 0.2. ....
  - 0.3. ....
    - 0.3.1. ....
  - 0.4. ....
  - 0.5. ....
  - 0.8. ....
- 1. GENERAL CONSTRUCTION CHARACTERISTICS OF THE VEHICLE
  - 1.1 ....
- 2. MASSES AND DIMENSIONS (e) (in kg and mm)
  - 2.6 ....
- 3. POWER PLANT (q)
  - 3.2.1.8 ....
  - 3.2.5 ....
    - 3.2.5.1 ....
    - 3.2.5.2 ....
      - 3.2.5.2.1 ....
      - 3.2.5.2.2 ....
- 4. TRANSMISSION (v)
  - 4.7 ....
- 9. BODYWORK
  - 9.4.1 ....
  - 9.5.1 ....
    - 9.5.1.2 ....
    - 9.5.1.4 ....
  - 9.6 ....
    - 9.6.1 ....
  - 9.7 ....
    - 9.7.1. ....
  - 9.8 ....
    - 9.8.2 ....
  - 9.10 ....

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9.10.3 .....  
 9.10.3.5.....  
     9.10.3.5.1 .....  
 9.10.3.6.....  
     9.10.3.6.1 .....  
 9.10.3.7.....  
     9.10.3.7.1 .....  
 9.10.5 .....  
 9.10.5.3.....

ANNEX VII

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0. GENERAL  
 0.1 .....  
 0.2 .....  
 0.5 .....  
 0.7 .....  
 0.8 .....

1. DESCRIPTION OF THE DEVICE  
 1.1 .....  
 1.2 .....

ANNEX VIII

MODEL

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Section I

0.1 .....  
 0.2 .....  
 0.3 .....  
     0.3.1 .....  
 0.4 .....  
 0.5 .....

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- 0.7 .....
- 0.8 .....

## Section II

- 1. ....
- 2. ....
- 3. ....
- 4. ....
- 5. ....
- 6. ....
- 7. ....
- 8. ....
- 9. ....

## Appendix to EEC type-approval certificate No. ...

- 1. Additional information
  - 1.1 .....
  - 1.2 .....
- 5. Remarks:

## ANNEX IX MODEL

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## Section I

- 0.1 .....
- 0.2 .....

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0.3 .....  
0.3.1 .....  
0.4 .....  
0.5 .....  
0.7 .....  
0.8 .....

Section II

1. ....  
2. ....  
3. ....  
4. ....  
5. ....  
6. ....  
7. ....  
8. ....  
9. ....

Appendix  
to EEC type-approval certificate No ...

1. Additional information  
1.1 .....  
5. Remarks: