

This document is meant purely as documentation tool and the institutions do not assume any liability for its contents

► **B**

COUNCIL DIRECTIVE

of 26 June 1975

**on the approximation of the laws of the Member States relating to the reverse and speedometer
equipment of motor vehicles**

(75/443/EEC)

(OJ L 196, 26.7.1975, p. 1)

Amended by:

		Official Journal		
		No	page	date
► <u>M1</u>	Commission Directive 97/39/EC of 24 June 1997	L 177	15	5.7.1997



COUNCIL DIRECTIVE

of 26 June 1975

on the approximation of the laws of the Member States relating to the reverse and speedometer equipment of motor vehicles

(75/443/EEC)

THE COUNCIL OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100 thereof;

Having regard to the proposal from the Commission;

Having regard to the Opinion of the European Parliament⁽¹⁾;

Having regard to the Opinion of the Economic and Social Committee⁽²⁾;

Whereas the technical requirements which motor vehicles must satisfy pursuant to national laws relate *inter alia* to the reverse and the speedometer;

Whereas these requirements, particularly those relative to the speedometer, differ from one Member State to another; whereas it is therefore necessary that all Member States adopt the same provisions either in addition to or in place of their existing rules, in order, in particular, that the EEC type-approval procedure which was the subject of Council Directive No 70/156/EEC⁽³⁾ 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, may be applied in respect of each type of vehicle;

Whereas the approximation of national laws relating to motor vehicles involves the mutual recognition by Member States of the inspections carried out by each of them on the basis of common provisions; whereas, for such a system to function successfully, these provisions must be applied by all Member States with effect from the same date,

HAS ADOPTED THIS DIRECTIVE:

Article 1

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, with the exception of vehicles which run on ►**M1** rails and of agricultural and forestry tractors and all mobile machinery. ◀

Article 2

No Member State may refuse to grant EEC type-approval or national type-approval of a vehicle on grounds relating to the reverse and the speedometer if these satisfy the requirements set out in Annexes I and II to this Directive.

Article 3

No Member State may refuse registration or prohibit the sale, entry into service or use of a vehicle on grounds relating to the reverse or the speedometer if these satisfy the requirements set out in Annexes I and II to this Directive.

(1) OJ No C 5, 8. 1. 1975, p. 41.

(2) OJ No C 47, 27. 2. 1975, p. 44.

(3) OJ No L 42, 23. 2. 1970, p. 1.

*Article 4*

The Member State which grants EEC type-approval shall take the necessary steps to be informed of any modification to any of the parts or characteristics referred to in section 2.1 of Annex II. The competent authorities of that Member State shall determine whether it is necessary to carry out further tests on the modified vehicle type and to prepare a new report. If these tests show that the requirements of this Directive have not been complied with the modification shall not be authorized.

Article 5

Member States in which vehicle speed is, at the time of adoption of this Directive, measured in miles per hour, shall be permitted to require speedometer equipment fitted to vehicles sold in their countries to be marked both in kilometres per hour and in miles per hour, until such time as their national legislation is amended to require only the use of metric (SI) units of measurement in accordance with the provisions of Council Directive No 71/354/EEC⁽¹⁾ of 18 October 1971 on the approximation of the laws of the Member States relating to units of measurement, as amended by the Treaty of Accession⁽²⁾.

Article 6

The amendments needed to adapt the requirements of Annexes I and II to technical progress shall be adopted in accordance with the procedure laid down in Article 13 of Directive No 70/156/EEC.

Article 7

1. Member States shall adopt and publish by 1 April 1976 the provisions necessary to comply with this Directive and shall forthwith inform the Commission thereof.

They shall implement these provisions with effect from 1 January 1977.

2. After notification of this Directive, Member States shall take steps to inform the Commission, in sufficient time for it to make comments, of any draft laws, regulations or administrative provisions which they intend to adopt in the field covered by the Directive.

Article 8

This Directive is addressed to the Member States.

⁽¹⁾ OJ No L 243, 29. 10. 1971, p. 29.

⁽²⁾ OJ No L 73, 27. 3. 1972, p. 14.

▼**M1**

LIST OF ANNEXES

- ANNEX I: Reverse
- ANNEX II: Speedometer equipment.
Appendix 1: Information document
Appendix 2: Type-approval certificate

▼B

ANNEX I

REVERSE

All vehicles must be equipped with a device for reversing which can be operated from the driving position.

▼B

ANNEX II

SPEEDOMETER EQUIPMENT

1. PRESENCE

All vehicles must be fitted with speedometer equipment. This will not be required for vehicles which are manufactured with recording equipment, the design characteristics and installation of which comply with the provisions of Council Regulation (EEC) No 1463/70⁽¹⁾ of 20 July 1970 on the introduction of recording equipment in road transport.

2. DEFINITIONS

For the purpose of this Directive:

- 2.1. 'Vehicle type with regard to the speedometer equipment' means vehicles which do not differ in the following essential respects:
 - 2.1.1. tyres normally fitted;
 - 2.1.2. overall transmission ratio including reduction drive if fitted (number of revolutions at the speedometer input per revolution of the axle driving the speedometer equipment when vehicle is travelling in a straight line);
 - 2.1.3. type(s) of speedometer equipment; the type shall be defined by the tolerance of the measuring mechanism of the speedometer, the instrument constant and the range of indicated speeds;
- 2.2. 'tyres normally fitted' means the type or types of tyre provided by the manufacturer on the vehicle type in question and specified in the information document annexed to Directive No 70/156/EEC; snow tyres shall not be regarded as tyres normally fitted;
- 2.3. 'normal running pressure' means the cold inflation pressure specified by the vehicle manufacturer increased by 0.2 bar;
- 2.4. 'speedometer' means that part of the speedometer equipment which indicates to the driver the speed of his vehicle at any given moment.

▼M1

3. APPLICATION FOR EC TYPE-APPROVAL OF A VEHICLE TYPE

- 3.1. The application for EC type-approval pursuant to Article 3 (4) of Directive 70/156/EEC of a vehicle type with regard to its reverse and speedometer equipment shall be submitted by the manufacturer.
- 3.2. A model for the information document is given in Appendix 1.
- 3.3. the following must be submitted to the technical service responsible for conducting the type-approval tests:
 - 3.3.1. a vehicle representative of the type to be approved.

▼B

4. SPECIFICATIONS

- 4.1. The speedometer display shall be situated in the driver's direct field of vision and shall be clearly legible both by day and by night. The range of speeds indicated must be large enough to include the maximum speed given by the manufacturer for the type of vehicle.
- 4.2. Where the speedometer has a scale, as distinct from a digital display, it shall be clearly legible.

⁽¹⁾ OJ No L 164, 27. 7. 1970, p. 1.

▼M1

- 4.2.1. The graduations shall be of 1, 2, 5 or 10 km/h. The values of the speed shall be indicated on the dial as follows:
- 4.2.1.1. when the highest value on the dial does not exceed 200 km/h, speed values shall be indicated at intervals not exceeding 20 km/h;
- 4.2.1.2. when the highest value on the dial exceeds 200 km/h, then the speed values shall be indicated at intervals not exceeding 30 km/h.
- 4.2.2. In the case of a speedometer manufactured for sale in any Member State where imperial units of measurement are used, and where transitional arrangements in accordance with Article 5 are in force, the speedometer shall also be marked in mph (miles per hour); the graduations shall be of 1, 2, 5 or 10 mph. The values of the speed shall be indicated on the dial at intervals not exceeding 20 mph.
- 4.2.3. The indicated speed value intervals need not be uniform.

▼B

- 4.3. The accuracy of the speedometer equipment shall be tested in accordance with the following procedure:
- 4.3.1. the vehicle is equipped with one of the types of tyre normally fitted; the test shall be repeated for each of the types of speedometer specified by the manufacturer;
- 4.3.2. the load on the axle driving the speedometer equipment must correspond to the weight complying with 2.6 of Annex I to Directive No 70/156/EEC;
- 4.3.3. the reference temperature at the speedometer shall be $23 \pm 5^\circ \text{C}$;
- 4.3.4. during each test the pressure of the tyres shall be the normal running pressure as defined in 2.3;
- 4.3.5. the vehicle is tested at the following three speeds: 40, 80 and 120 km/h, or 80 % of the maximum speed specified by the manufacturer, if this is inferior to 150 km/h;
- 4.3.6. the test instrumentation used for measuring the true vehicle speed shall be accurate to $\pm 1.0 \%$;
- 4.3.6.1. the surface of a test track when used be flat and dry, and shall provide sufficient adhesion.
- 4.4. The speed indicated must never be less than the true speed. At the speeds specified for the test in 4.3.5 above and between these speeds, there shall be the following relationship between the speed indicated on the dial of the speedometer (V_1) and the true speed (V_2):

$$0 \leq V_1 - V_2 \leq \frac{V_2}{10} + 4 \text{ km/h}$$

▼M1

5. GRANTING OF EC TYPE-APPROVAL OF A VEHICLE TYPE
- 5.1. 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.
- 5.2. A model for the EC type-approval certificate is given in Appendix 2.
- 5.3. 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 shall not assign the same number to another type of vehicle.
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.

▼**M1**

7. CONFORMITY OF PRODUCTION

- 7.1. As a general rule, measures to ensure conformity of production shall be taken in accordance with the provisions laid down in Article 10 of Directive 70/156/EEC.

▼M1

Appendix 1

Information document No (*)

(in accordance with Annex I of Council Directive 70/156/EEC)
relating to EC type-approval of a vehicle with respect to the reverse and speedometer equip-
ment (*)

(Directive 75/443/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:.....
- 2. MASSES AND DIMENSIONS (e) (in kg and mm)
(Refer to drawing where applicable)
 - 2.6 Mass of the vehicle with bodywork and with coupling device in the case of a towing vehicle of category other than M1 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 liquid 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 semi-trailer or centre-axle trailer, load on the coupling point (max. and min.):.....

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

▼M1

4. TRANSMISSION (v)
- 4.2 Type (mechanical, hydraulic, electric, etc.):
- 4.5 Gearbox:
- 4.5.3 Method of control:
- 4.6 Gear ratios

Gear	Internal gearbox ratios (ratios of engine to gearbox output shaft revolutions)	Final drive ratio(s) (ratio of gearbox output shaft to driven wheel revolutions)	Total gear ratios
Maximum for CVT (*)			
1			
2			
3			
...			
Minimum for CVT (*)			
Reverse			

(*) Continuously variable transmission

- 4.7 Maximum vehicle speed (in km/h)(w):
- 4.8 Speedometer (in the case of tachograph give approval mark only):
- 4.8.1 Method of operation and description of drive mechanism:
- 4.8.2 Instrument constant:
- 4.8.3 Tolerance of the measuring mechanism (pursuant to item 2.1.3 of Annex II to Directive 75/443/EEC):
- 4.8.4 Overall transmission ratio (pursuant to item 2.1.2 of Annex II to Directive 75/443/EEC) or equivalent data:
- 4.8.5 Diagram of the speedometer scale or other forms of display:
6. SUSPENSION
- 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:
- 6.6.3 Tyre pressure(s) as recommended by the vehicle manufacturer: kPa

Date, File No

MODEL*Maximum format: A4 (210 × 297 mm)***EC TYPE-APPROVAL CERTIFICATE**

Stamp of administration

Communication concerning the:

- type-approval ⁽¹⁾,
- extension of type-approval ⁽¹⁾,
- refusal of type-approval ⁽¹⁾,
- withdrawal of type-approval ⁽¹⁾,

of a type of a vehicle/component/separate technical unit ⁽¹⁾ with regard to Directive 75/443/EEC, as last amended by Directive .../.../EC.

Type-approval number:

Reason for extension:

SECTION I

- 0.1. Make (trade name):
- 0.2. Type and general commercial description(s):
- 0.3. Means of identification of type if marked on the vehicle/component/separate technical unit ⁽¹⁾ ⁽²⁾:
.....
- 0.3.1. Location of that marking:
- 0.4. Category of vehicle ⁽¹⁾ ⁽³⁾:
- 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

▼M1

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.

(1) Delete where not applicable.

(2) 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??).

(3) 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 75/443/EEC, as last amended by Directive .../.../EC

1. ADDITIONAL INFORMATION

1.1. Speedometer

1.1.1. Means of identification, if available, and location thereof:

5. REMARKS

(e.g. valid for both left-hand drive and right-hand drive vehicles)
