STATUTORY INSTRUMENTS

1977 No. 1560

ROAD TRAFFIC

The Road Vehicles Lighting (Amendment) Regulations 1977

Made - - - -	22*nd September* 1977
Laid before Parliament	30*th September* 1977
Coming into Operation	21*st October* 1977

The Secretary of State for Transport, in exercise of the powers conferred by sections 40(1), 68(1), (2), (3), (4) and (5), 69(2), 72(1), (2) and (3), 73(1), (2), (3), (4) and (5), 78(2), (3), (4), (5), (6) and (7), and 79(1) of the Road Traffic Act 1972(**a**), Article 8(5) of the Visiting Forces and International Headquarters (Application of Law) Order 1965(**b**), and all other enabling powers, and after consultation with representative organisations in accordance with the provisions of section 199(2) of the said Act of 1972, hereby makes the following Regulations:—

1. These Regulations shall come into operation on 21st October 1977 and may be cited as the Road Vehicles Lighting (Amendment) Regulations 1977.

2. The Road Vehicles Lighting Regulations 1971(**c**) as amended(**d**) shall be further amended so as to have effect in accordance with the following provisions of these Regulations.

PRELIMINARY

3. In Regulation 3—

(*a*) in paragraph (1): —

(i) after the definition of "authorising officer" there shall be inserted the following new definition:—

" "blind angle", in relation to a direction indicator, means an angle, throughout which no light from the indicator need be visible, measured horizontally outwards from a line parallel to the longitudinal axis of the vehicle and passing through the centre of the illuminating surface of the indicator;",

(ii) for the definition of "the Construction and Use Regulations" there shall be substituted the following definition:—

" "the Construction and Use Regulations" means the Motor

(**a**) 1972 c. 20. (**b**) S.I. 1965/1536 (1965 II, p. 4462). (**c**) S.I. 1971/694 (1971 I, p. 1833).
(**d**) The amending instruments are S.I. 1973/1006, 1975/239 (1973 II, p. 3044, 1975 I, p. 611).

Vehicles (Construction and Use) Regulations 1973(**a**) as amended(**b**);",

(iii) after the definition of "the Construction and Use Regulations" there shall be inserted the following new definition:—

" "the Designation of Approval Marks Regulations" means the Motor Vehicles (Designation of Approval Marks) Regulations 1976(**c**) as amended by the Motor Vehicles (Designation of Approval Marks) (Amendment) Regulations 1977(**d**);",

(iv) in the definition of "dipped beam", for the words "25 feet" there shall be substituted the words "7.7 metres", and for the words "3 feet 6 inches" there shall be substituted the words "1.1 metre",

(v) after the definition of "existing" there shall be inserted the following new definition:—

" "extreme outer edge", in relation to a side of a vehicle, means the plane parallel with the median longitudinal plane of the vehicle, and coinciding with its lateral outer edge, disregarding the projection of—

(i) so much of the distortion of any tyre as is caused by the weight of the vehicle,

(ii) any connections for tyre-pressure gauges,

(iii) any anti-skid devices which may be mounted on the wheels,

(iv) rear-view mirrors,

(v) lamps, and

(vi) customs seals affixed to the vehicle, and devices for securing and protecting such seals;",

(vi) after the definition of "horse-drawn" there shall be inserted the following new definitions:—

" "illuminating surface", in relation to a lamp, means that surface of the lamp through which light is emitted when the lamp is lit, and in relation to a reflector means that area of the reflector which is designed to reflect light;

"inboard angle", in relation to a lamp and a reflector, means an angle within which light from the lamp or reflector, as the case may be, is visible, measured horizontally inwards from a line parallel to the longitudinal axis of the vehicle and passing through the centre of the illuminating surface of the lamp or reflector, as the case may be;",

(vii) after the definition of "obligatory reflector" there shall be inserted the following new definition:—

" "outboard angle", in relation to a lamp and a reflector, means an angle within which light from the lamp or reflector,

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(**a**) S.I. 1973/24 (1973 I, p. 93).
(**b**) S.I. 1973/756, 1347, 1706, 1864, 1974/64, 765, 973, 1975/186, 238, 641, 1976/317, 528, 1256, 1507, 1977/154, 790, 791, 792, 809, 1401. (1973 I, p. 2407, II, p. 4133, III, pp. 5193, 6486, 1974 I, pp. 208, 2932, II, p. 3644, 1975 I, pp. 465, 609, 2316, 1976 I, pp. 856, 1558, II, p. 3549, III, p. 4010, 1977 I, p. 483, II pp. 2240, 2243, 2247, 2265).
(**c**) S.I. 1976/2226 (1976 III, p. 6233).
(**d**) S.I. 1977/1400 (1977 II, p. 4181).

as the case may be, is visible, measured horizontally outwards from a line parallel to the longitudinal axis of the vehicle and passing through the centre of the illuminating surface of the lamp or reflector, as the case may be;", and

(viii) after the definition of "outermost part" there shall be inserted the following new definition:—

" "overall width" means the distance between the extreme outer edge on one side of the vehicle and the extreme outer edge on the other side of the vehicle;";

(*b*) after paragraph (1) there shall be inserted the following paragraph: —

"(1A) In these Regulations—

(*a*) except in the case of a dipped-beam headlamp, a main-beam headlamp, and a front fog lamp, a reference to one lamp includes any combination of two or more lamps, whether identical or not, having the same function and emitting light of the same colour, if it comprises devices, the projection of the aggregate light-emitting surfaces of which in a vertical plane perpendicular to the median longitudinal plane of the vehicle occupies 60 per cent or more of the area of the smallest rectangle circumscribing the projections of those light-emitting surfaces; and

(*b*) a reference to two lamps includes—

(i) a single light-emitting surface which—

(*a*) is placed symmetrically in relation to the median longitudinal plane of the vehicle,

(*b*) extends on both sides to within not less than 400 millimetres of the extreme outer edge of the vehicle,

(*c*) is not less than 800 millimetres long, and

(*d*) is illuminated by not less than two sources of light, and

(ii) any number of light-emitting surfaces which—

(*a*) are juxtaposed,

(*b*) if on the same transverse plane occupy not less than 60 per cent of the area of the smallest rectangle circumscribing the projections of the said surfaces,

(*c*) are placed symmetrically in relation to the median longitudinal plane of the vehicle,

(*d*) extend on both sides to within not less than 400 millimetres of the extreme outer edge of the vehicle,

(*e*) do not have a total length of less than 800 millimeters, and

(*f*) are illuminated by not less than two sources of light.";

and

(*c*) after paragraph (6) there shall be inserted the following paragraph: —

"(6A) Any requirement in these Regulations that lamps or reflectors forming a pair shall be—

(*a*) at the same height from the ground, or

(*b*) symmetrically placed with reference to a vertical plane passing through the longitudinal axis of a vehicle

shall, in the case of an asymmetric vehicle, be complied with so far as is reasonably possible having regard to the shape of the vehicle.".

REGULATIONS GOVERNING FRONT LAMPS ON VEHICLES

4. For Regulation 4 there shall be substituted the following Regulation:—

"**4.**—(1) Subject to the provisions of paragraph (2) of this Regulation and of Regulations 7 and 8, every obligatory front lamp shall be so fixed that—

(*a*) the distance between the highest part of the illuminating surface of the lamp and the ground shall not be more than—

(i) in the case of a horse-drawn vehicle, 1900 millimetres, and

(ii) in the case of a land tractor, an agricultural tractor, an industrial tractor, an agricultural implement or engineering plant, 2100 millimetres; and

(*b*) the distance between the highest part of the illuminating surface of the lamp and the ground shall not, in the case of any vehicle not being a vehicle specified in sub-paragraph (a) above, be more than 1700 millimetres, or if the shape of the body of the vehicle is such that it is not possible for the said lamp to be so fixed that the distance between the highest part of the illuminating surface of the lamp and the ground shall not be more than 1700 millimetres, the said distance shall not be more than 2100 millimetres.

(2) The requirements specified in paragraph (1) of this Regulation shall not apply to—

(*a*) a large passenger vehicle, or

(*b*) a mechanically propelled vehicle while being used to propel in front thereof a snow plough.

(3) Except in the case of a tower wagon or of a bicycle (whether mechanically propelled or not) every obligatory front lamp shall be so fixed that the distance between the extreme outer edge of the vehicle and the outer edge of the illuminating surface of the lamp does not exceed 400 millimetres.

(4) In the case of a horse-drawn vehicle every obligatory front lamp shall be so fixed that the centre of the illuminating surface of the lamp is not—

(*a*) where the vehicle has only one axle, behind that axle, or

(*b*) where the vehicle has more than one axle, more than 460 millimetres behind the front axle when in its central position.".

5. For Regulation 5 there shall be substituted the following Regulation:—

"**5.** Where two obligatory front lamps are carried on any vehicle they shall be fixed on opposite sides of the vehicle and, subject to the provisions of Regulation 3(6A), shall be fixed at the same height from the ground."

6. In Regulation 7, for the words "16 inches from the nearest part of the illuminated area of the obligatory front lamp" there shall be substituted the words "410 millimetres from the outer edge of the illuminating surface of the obligatory front lamp".

7. In Regulation 8, for paragraph (1) there shall be substituted the following paragraphs:—

"(1) Save as provided in paragraphs (1A) and (2) of this Regulation, every lamp which is carried on a mechanically propelled vehicle and shows a light to the front and to which the provisions of Regulation 9 apply shall be so fixed that:—

(*a*) the highest part of the illuminating surface of the lamp is not more than 1200 millimetres from the ground, and

(*b*) the lowest part of the illuminating surface of the lamp is not less than 500 millimetres from the ground.

(1A) (*a*) The requirement specified in sub-paragraph (*a*) of paragraph (1) of this Regulation shall not apply to—

(i) a lamp carried on:—

(*a*) a vehicle while being used to propel in front thereof a snow plough,

(*b*) an aerodrome fire tender,

(*c*) an aerodrome runway sweeper,

(*d*) a land tractor,

(*e*) an agricultural tractor,

(*f*) an industrial tractor,

(*g*) an agricultural implement, and

(*h*) engineering plant, or

(ii) a lamp specified in sub-paragraph (*c*)(ii) of paragraph (2) of Regulation 9; and

(*b*) the requirement specified in sub-paragraph (*b*) of paragraph (1) of this Regulation shall not apply to a lamp which is used only in fog or while snow is falling.".

8. In Regulation 9, for paragraph (2) there shall be substituted the following paragraph:—

"(2) No lamp to which this Regulation applies shall be used on any vehicle other than a cycle unless that lamp is so constructed, fitted and maintained that the beam of light emitted therefrom:—

(*a*) is at all times a dipped beam; or

(*b*) can be deflected at the will of the driver so as to become a dipped beam; or

(*c*) can be extinguished by the operation of a device which at the same time either—

(i) causes the lamp to emit a dipped beam, or

(ii) causes another lamp to emit a dipped beam:

Provided that a lamp (unless it is used only in conditions of fog or whilst snow is falling) shall not be held to comply with sub-paragraph (*a*) of this paragraph unless it is also so fixed that the lowest part of the illuminating surface of the lamp is not less than 500 millimetres from the ground.".

9. For Regulation 10 there shall be substituted the following Regulation:—

"**10.** The beam of light emitted from not more than two lamps showing a light to the front (other than the obligatory front lamps) fitted to any vehicle may be deflected to either side by the movement of, although not necessarily through the same angle as, the front wheels of the vehicle when turned for the purpose of steering the vehicle, provided that in the case of any such lamp as complies with the requirements of sub-paragraph (*a*) or (*b*) of paragraph (2) of Regulation 9 the highest part of the illuminating surface of the lamp is not more than 1200 millimetres from the ground.".

10. In Regulation 12, for paragraph (1) there shall be substituted the following paragraph:—

"(1) In this Regulation "approval mark" means either—

(i) a marking designated as an approval mark by Regulation 4 of the Designation of Approval Marks Regulations and shown in column (2) at item 19 of Schedule 2 to those Regulations, or

(ii) a marking designated as an approval mark by Regulation 5 of the Designation of Approval Marks Regulations and shown in column (2) at item 6 of Schedule 4 to those Regulations.".

REGULATIONS GOVERNING OBLIGATORY REAR LAMPS ON VEHICLES

11. In Regulation 23, for the words "In the case of a vehicle of a description specified in column 1 of Schedule 1," there shall be substituted the words "Except as provided in Regulation 23A, in the case of a vehicle of a description specified in column 1 of Schedule 1,".

12. After Regulation 23 there shall be inserted the following Regulation:—

"**23A.** The requirements specified in Regulation 23 shall not apply to any motor vehicle (other than a motor cycle) or to any trailer on which there is at all times carried at the rear of the vehicle two obligatory rear lamps which comply with the requirements specified in Schedule 1A.".

13. In Regulation 25, for paragraph (1) there shall be substituted the following paragraph:—

"(1) In this Regulation—

"approval mark" means either—

(i) a marking designated as an approval mark by Regulation 4 of the Designation of Approval Marks Regulations and shown in column (2) at item 20 or, if the rear lamp is combined with a stop lamp, at item 22, of Schedule 2 to those Regulations, or

(ii) a marking designated as an approval mark by Regulation 5 of the Designation of Approval Marks Regulations and shown in column (2) at item 6 or, if the rear lamp is combined with a stop lamp, at item 8, of Schedule 4 to those Regulations; and

"motor bicycle" means a motor bicycle with or without a sidecar attached to it.".

REGULATIONS GOVERNING REVERSING LAMPS ON VEHICLES

14. In Regulation 27, in sub-paragraph (*d*) for the words "25 feet" there shall be substituted the words "7.7 metres" and for the words "3 feet 6 inches" there shall be substituted the words "1.1 metre".

REGULATIONS GOVERNING OBLIGATORY REFLECTORS ON VEHICLES

15. In Regulation 30, for the words "In the case of a vehicle of a description specified in column 1 of Schedule 2," there shall be substituted the words "Except as provided in Regulation 30A, in the case of a vehicle of a description specified in column 1 of Schedule 2,".

16. After Regulation 30 there shall be inserted the following Regulation:—

"**30A.** The requirements specified in Regulation 30 shall not apply to any motor vehicle (other than a motor cycle) or to any trailer on which there is at all times carried at the rear of the vehicle two obligatory reflectors which comply with the requirements of Schedule 2A.".

17. In Regulation 31, for paragraph (1) there shall be substituted the following paragraph:—

"(1) In this Regulation, and in the following Regulations in this Part of these Regulations, the expression "approval mark" means either—

(i) a marking designated as an approval mark by Regulation 4 of the Designation of Approval Marks Regulations and shown in column (2) at item 9 of Schedule 2 to those Regulations, or

(ii) a marking designated as an approval mark by Regulation 5 of the Designation of Approval Marks Regulations and shown in column (2) at item 4 of Schedule 4 to those Regulations.".

18. After Regulation 35 there shall be added the following Regulation:—

"**35A.**—(1) Every vehicle being a trailer which, by virtue of section 77(2A) of the Road Traffic Act 1972 as amended(**a**), is not carrying lamps showing lights to the front, shall be equipped with two unobscured and efficient white reflectors each facing to the front and complying with the requirements specified in paragraph (2) below.

(2) The requirements referred to in paragraph (1) above are as follows:—

(*a*) the point on the illuminating surface of each reflector which is furthest from the median longitudinal plane of the vehicle shall

(**a**) S.I. 1977/1559 (1977 III, p. 4567).

be not more than 400 millimetres from the extreme outer edge of the vehicle;

(*b*) the distance between the inner edge of the illuminating surface of one reflector and the inner edge of the illuminating surface of the other reflector shall not be less than—

(i) 600 millimetres, or

(ii) if the overall width of the vehicle is less than 1300 millimetres, 400 millimetres;

(*c*) the lowest part of the illuminating surface of each reflector shall be not less than 350 millimetres from the ground;

(*d*) the highest part of the illuminating surface of each reflector shall be not more than 900 millimetres from the ground;

(*e*) no reflector shall be triangular in shape;

(*f*) each reflector shall be so fixed to the vehicle that the illuminating surface of the reflector is in a vertical position and facing squarely to the front;

(*g*) each reflector shall be kept clean; and

(*h*) each reflector shall be marked with an approval mark which includes the Roman numeral I.".

REGULATIONS GOVERNING ADDITIONAL LAMPS ON LONG VEHICLES AND TRAILERS

19. In Regulation 42, for the words "Regulation 111" in each place where they occur there shall be substituted the words "Regulation 131".

20. In Regulation 45, in paragraph (1), for sub-paragraph (*b*) there shall be substituted the following sub-paragraph:—

"(*b*) if the trailer has an overall length of more than 9.15 metres, on each side of the trailer a side marker lamp in such a position that no part of its illuminating surface is forward of, or more than 1530 millimetres to the rear of, the centre point of the overall length of the trailer.".

21. In Regulation 46—

(*a*) in paragraph (1)—

(i) in sub-paragraph (*a*), for the words "no part of the illuminated area of either lamp is more than five feet behind the foremost part of the trailer, except that the said distance of five feet may be extended to a distance of not more than twelve feet" there shall be substituted the words "no part of the illuminating surface of either lamp is more than 1530 millimetres behind the foremost part of the trailer, except that the said distance of 1530 millimetres may be extended to a distance of not more than 3660 millimetres", and

(ii) for sub-paragraph (*b*) there shall be substituted the following sub-paragraph:—

"(*b*) subject to the provisions of paragraph (2) below, the distance between the extreme outer edge of the trailer and a vertical

line through the nearest part of the illuminating surface of the lamp shall not exceed 310 millimetres;";

(*b*) for paragraph (2) there shall be substituted the following paragraph: —

"(2) Where a front corner marker lamp is attached to a trailer so that—

(*a*) its illuminating surface is more than 910 millimetres but not more than 1530 millimetres behind the foremost part of the trailer and no part of that surface is more than 1530 millimetres from the ground; and

(*b*) no part of the trailer on the same side as that on which the lamp is carried, being a part which is below a height of 1530 millimetres from the ground and to the front of the illuminating surface of the lamp, projects outwards more than 310 millimetres beyond a vertical line through the nearest part of that illuminating surface,

then the position of that lamp may be such that any other part of the trailer on that side may project outwards by not more than 510 millimetres beyond a vertical line through the nearest part of the said illuminating surface."; and

(*c*) in paragraph (3) for the words "five feet" there shall be substituted the words "1520 millimetres".

22. In Regulation 47—

(*a*) in paragraph (1)—

(i) in sub-paragraph (*a*) for the words "seven feet six inches" there shall be substituted the words "2300 millimetres";

(ii) in sub-paragraph (*b*) for the words "forty feet" there shall be substituted the words "12.2 metres"; and

(iii) for sub-paragraphs (*c*) and (*d*) there shall be substituted the following sub-paragraphs:—

"(*c*) a trailer carrying lamps showing a white light to the front by virtue of section 77(2) and (2A) of the Road Traffic Act 1972 as amended(**a**);

(*d*) a trailer the width of which does not exceed 1600 millimetres; and

(*e*) a broken down vehicle which is being drawn by another vehicle.";

(*b*) after paragraph 1 there shall be inserted the following paragraph: —

"(1A) Nothing in sub-paragraph (*d*) of paragraph (1) above shall exempt from the requirements of section 68(1)(*a*) of the Road Traffic Act 1972 any trailer which is on a road during the hours of darkness and to the front of which no other vehicle is attached."; and

(**a**) S.I. 1977/1559 (1977 III, p. 4567).

(*c*) in paragraph (2) for the words "by virtue of proviso (ii) to section 9(1) of the Act." there shall be substituted the words "by virtue of section 77(3) of the Road Traffic Act 1972.".

23. In Regulation 48—

(*a*) in paragraph (1)—

(i) for sub-paragraph (*c*) there shall be substituted the following sub-paragraph:—

"(*c*) carried so that the highest part of the illuminating surface of the lamp is not more than 1530 millimetres from the ground or, if the shape of the bodywork of the vehicle is such that it is not possible for the highest part of the illuminating surface of the lamp to be not more than 1530 millimetres from the ground, so that the highest part of the illuminating surface of the lamp is not more than 2100 millimetres from the ground;"; and

(ii) in the proviso, for the words "section 64(4) of the Road Traffic Act 1960" there shall be substituted the words "section 42(1) of the Road Traffic Act 1972", and for the words "illuminated area is not more than seven feet six inches from the ground." there shall be substituted the words "illuminating surface is not more than 2300 millimetres from the ground."; and

(*b*) for paragraph (3) there shall be substituted the following paragraphs: —

"(3) Sub-paragraph (*a*) of paragraph (2) of this Regulation shall not apply in the case of a front corner marker lamp or a side marker lamp carried on a trailer designed and constructed for the carriage of round timber if the electricity illuminating that lamp is derived from a battery having a voltage of at least three volt, and sub-paragraphs (*b*) and (*c*) of the said paragraph (2) shall not apply to a front corner marker lamp which is marked with either—

(i) a marking designated as an approval mark by Regulation 4 of the Designation of Approval Marks Regulations and shown in column (2) at item 19 of Schedule 2 to those Regulations, or

(ii) a marking designated as an approval mark by Regulation 5 of the Designation of Approval Marks Regulations and shown in column (2) at item 5 of Schedule 4 to those Regulations.".

24. In Regulation 49—

(*a*) for paragraph (1) there shall be substituted the following paragraphs: —

"(1) Except as provided in paragraph (1A) of this Regulation, every front corner marker lamp shall, if circular, have an illuminated area not less than 25 millimetres in diameter or, if not circular, have an illuminated area not less than the area of a circle of 25 millimetres in diameter.

(1A) The requirements specified in paragraph (1) of this Regulation shall not apply to a front corner marker lamp which is marked with either—

(i) a marking designated as an approval mark by Regulation 4 of the Designation of Approval Marks Regulations and shown in column (2) at item 19 of Schedule 2 to those Regulations, or

(ii) a marking designated as an approval mark by Regulation 5 of the Designation of Approval Marks Regulations and shown in column (2) at item 5 of Schedule 4 to those Regulations.";

and

(*b*) in paragraph (2), for the words "one inch", in each place where they occur, there shall be substituted the words "25 millimetres".

REGULATIONS GOVERNING ADDITIONAL REFLECTORS ON LONG VEHICLES AND TRAILERS

25. In Regulation 50—

(*a*) for the words "This Part of these Regulations shall apply" there shall be substituted the words "Except as provided in Regulation 56A, this Part of these Regulations shall apply"; and

(*b*) in sub-paragraph (*h*) for the words "the Motor Vehicles (Authorisation of Special Types) General Order 1969." there shall be substituted the words "the Motor Vehicles (Authorisation of Special Types) General Order 1973(a).".

26. For Regulation 51 there shall be substituted the following Regulation:—

"**51.** In this Part of these Regulations "side facing reflector" means a reflector which—

(*a*) is not an obligatory reflector,

(*b*) is amber in colour, and

(*c*) is marked with either—

(i) a marking designated as an approval mark by Regulation 4 of the Designation of Approval Marks Regulations and shown in column (2) at item 9 of Schedule 2 to those Regulations and which includes the Roman numeral I, or

(ii) a marking designated as an approval mark by Regulation 5 of the Designation of Approval Marks Regulations and shown in column (2) at item 4 of Schedule 4 to those Regulations and which includes the Roman numeral I.".

27. In Regulation 52, in paragraph (1), for the words "Every motor vehicle to which this Part of these Regulations applies" there shall be substituted the words "Except as provided in Regulation 56A, every motor vehicle to which this Part of these Regulations applies".

28. In Regulation 53, for the words "Every motor vehicle to which this Part of these Regulations applies" there shall be substituted the words "Except as provided in Regulation 56A, every motor vehicle to which this Part of these Regulations applies".

(a) S.I. 1973/1101 (1973 II, p. 3343).

29. In Regulation 54, in paragraph (1), for the words "Every trailer to which this Part of these Regulations applies" there shall be substituted the words "Except as provided in Regulation 56A, every trailer to which this part of these Regulations applies".

30. In Regulation 55, for the words "Every trailer to which this Part of these Regulations applies" there shall be substituted the words "Except as provided in Regulation 56A, every trailer to which this Part of these Regulations applies".

31. In Regulation 56, for the words "Every side facing reflector required by this Part of these Regulations" there shall be substituted the words "Except as provided in Regulation 56A, every side facing reflector required by this Part of these Regulations".

32. After Regulation 56 there shall be inserted the following Regulation:—

"**56A.** The requirements specified in Regulations 52, 53, 54, 55 and 56 shall not apply to any motor vehicle or trailer by which there is at all times carried side facing reflectors which comply with the requirements specified in Schedule 2B.".

EXEMPTIONS FROM AND VARIATIONS OF REQUIREMENTS OF PART II OF THE ROAD TRAFFIC ACT 1972

33. In Regulation 59—

(*a*) in paragraph (2), for sub-paragraphs (*b*) and (*c*) there shall be substituted the following sub-paragraphs:—

"(*b*) the distance between the extreme outer edge of the vehicle and the outer edge of the illuminating surface of the lamp does not exceed—

(i) 410 millimetres, or

(ii) such distance greater than 410 millimetres as may be necessary, having regard to the construction or nature of the vehicle, to enable the lamp to be fixed to the vehicle;

(*c*) the highest part of the illuminating surface of each lamp is—

(i) in the case of a vehicle supplied by its manufacturer before 1st January 1959, not more than 1680 millimetres from the ground, and

(ii) in the case of a vehicle supplied by its manufacturer on or after 1st January 1959, not more than 1530 millimetres from the ground or, if the shape of the body of the vehicle is such that it is not possible for the highest part of the illuminating surface of each lamp to be not more than 1530 millimetres from the ground, not more than 2100 millimetres from the ground; and

(*cc*) the highest part of the illuminating surface of each lamp shall be at the same height from the ground; and"; and

(*b*) in paragraph (2), in sub-paragraph (*d*), for the words "3 feet 6 inches" there shall be substituted the words "1070 millimetres", and for the words "20 inches" there shall be substituted the words "510 millimetres"; and

(*c*) in paragraph (3), for sub-paragraphs (*b*) and (*c*) there shall be substituted the following sub-paragraphs:—

"(*b*) the distance between the extreme outer edge of the vehicle and the outer edge of the illuminating surface of the reflector does not exceed—

(i) 410 millimetres, or

(ii) such distance greater than 410 millimetres as may be necessary, having regard to the construction or nature of the vehicle, to enable the reflector to be fixed to the vehicle;

(*c*) the highest part of the illuminating surface of each reflector is—

(i) in the case of a vehicle supplied by its manufacturer before 1st January 1959, not more than 1680 millimetres from the ground, and

(ii) in the case of a vehicle supplied by its manufacturer on or after 1st January 1959, not more than 1530 millimetres from the ground or, if the shape of the body of the vehicle is such that it is not possible for the highest part of the illuminating surface of each reflector to be not more than 1530 millimetres from the ground, not more than 2100 millimetres from the ground; and

(*cc*) the highest part of the illuminating surface of each reflector shall be at the same height from the ground.".

REGULATIONS GOVERNING DIRECTION INDICATORS AND STOP LAMPS ON VEHICLES

34. In Regulation 68, for the words "within Regulation 4(3), (6), (6A), (7) and (8) of the Construction and Use Regulations" there shall be substituted the words "within Regulation 4(3), (7), (8), (9) and (10) of the Construction and Use Regulations".

35. In Regulation 69—

(*a*) in paragraph (1), for the words "Every motor vehicle" there shall be substituted the words "Except as provided in Regulation 70A, every motor vehicle";

(*b*) in paragraph (3) for the words "Save as provided in paragraph (4) of this Regulation" there shall be substituted the words "Except as provided in paragraph (4) of this Regulation and in Regulation 70A";

(*c*) in paragraph (4) for the words "Every motor vehicle" there shall be substituted the words "Except as provided in Regulation 70A, every motor vehicle".

36. In Regulation 70, in paragraph (1), for the words "Save as provided in paragraph (2) of this Regulation" there shall be substituted the words "Except as provided in paragraph (2) of this Regulation and in Regulation 70A".

37. After Regulation 70 there shall be inserted the following Regulation:—

"**70A.** The requirements specified in paragraphs (1), (3) and (4) of Regulation 69 and in Regulation 70 shall not apply to any motor vehicle (other than a motor cycle) or to any trailer on which there is at all times carried direction indicators which comply with the requirements specified in Schedule 5A.".

38. In Regulation 71—

(*a*) for paragraph (4) there shall be substituted the following paragraph: —

"(4) Every vehicle to which this Regulation applies shall be fitted with direction indicators in accordance with either the provisions of Part III of Schedule 5 or the provisions of Regulation 70A"; and

(*b*) for paragraph (8) there shall be substituted the following paragraph: —

"(8) In this Regulation "approval mark" means either—

(i) a marking designated as an approval mark by Regulation 4 of the Designation of Approval Marks Regulations and shown in column (2) at item 18 of Schedule 2 to those Regulations, or

(ii) a marking designated as an approval mark by Regulation 5 of the Designation of Approval Marks Regulations and shown in column (2) at item 9 of Schedule 4 to those Regulations.".

SCHEDULES

39. After Schedule 1 there shall be inserted the following new Schedule:—

"SCHEDULE 1A (see Regulation 23A)

OBLIGATORY REAR LAMPS

The requirements referred to in Regulation 23A are as follows:—

1. Both the obligatory rear lamps shall be fitted to the vehicle so that they are symmetrically positioned on each side of the vertical plane passing through the longitudinal axis of the vehicle, and positioned at the same height from the ground.

2. The part of the illuminating surface of the lamp which is furthest from the median longitudinal plane of the vehicle shall not be more than 400 millimetres from the extreme outer edge of the vehicle.

3. The distance between the inner edge of the illuminating surface of one lamp and the inner edge of the illuminating surface of the other lamp shall not be less than—

   (i) 600 millimetres, or

   (ii) if the overall width of the vehicle is less than 1300 millimetres, 400 millimetres.

4. The lowest part of the illuminating surface of each lamp shall not be less than 350 millimetres from the ground.

5. The highest part of the illuminating surface of each lamp shall not be more than 1500 millimetres from the ground or, if the shape of the body work of the vehicle is such that it is not possible for the highest

part of the illuminating surface of the lamp to be not more than 1500 millimetres from the ground, the highest part of the illuminating surface of the lamp shall be not more than 2100 millimetres from the ground.

6. The minimum horizontal angles of visibility of the two lamps shall be either 45° at the outboard angle and 80° at the inboard angle or 80° at the outboard angle and 45° at the inboard angle.

7. The minimum vertical angles of visibility of each lamp shall be 15° above the horizontal and 15° below the horizontal or, in the case of a lamp the lowest part of the illuminating surface of which is less than 750 millimetres above the ground, the minimum vertical angles of visibility shall be 15° above the horizontal and 5° below the horizontal.".

40. After Schedule 2 there shall be inserted the following new Schedules:—

"SCHEDULE 2A (see Regulation 30A)

OBLIGATORY REFLECTORS

The requirements referred to in Regulation 30A are as follows:—

1. Both the obligatory reflectors shall be fitted to the vehicle so that they are symmetrically positioned on each side of the vertical plane passing through the longitudinal axis of the vehicle and positioned at the same height from the ground.

2. The point on the illuminating surface of each reflector which is furthest from the median longitudinal plane of the vehicle shall be not more than 400 millimetres from the extreme outer edge of the vehicle.

3. The distance between the inner edge of the illuminating surface of one reflector and the inner edge of the illuminating surface of the other reflector shall not be less than—
   (i) 600 millimetres, or
   (ii) if the overall width of the vehicle is less than 1300 millimetres, 400 millimetres.

4. The lowest part of the illuminating surface of each reflector shall be not less than 350 millimetres from the ground.

5. The highest part of the illuminating surface of each reflector shall be not more than 900 millimetres from the ground.

6. The minimum horizontal angles of visibility of the two reflectors shall be 30° at the inboard angle and 30° at the outboard angle.

7. The minimum vertical angles of visibility of each reflector shall be 15° above the horizontal and 15° below the horizontal or in the case of a reflector the lowest part of the illuminating surface of which is less than 750 millimetres above the ground, the minimum vertical angles of visibility shall be 15° above the horizontal and 5° below the horizontal.

8. No reflector which is triangular shall be fitted to a motor vehicle, and every obligatory reflector which is fitted to a trailer shall be triangular.

SCHEDULE 2B (see Regulation 56A)

SIDE FACING REFLECTORS

The requirements referred to in Regulation 56A are as follows: —

1. Every side facing reflector shall be carried so that—

   (i) the lowest part of the illuminating surface is not less than 350 millimetres from the ground, and

   (ii) the highest part of the illuminating surface is not more than 900 millimetres from the ground or, if the structure of the vehicle is such that it is not possible for the highest part of the illuminating surface to be not more than 900 millimetres from the ground, the highest part of the illuminating surface is not more than 1500 millimetres from the ground.

2. At least one side facing reflector shall be fitted to the middle third of the vehicle, and in the case of trailer with a drawbar the drawbar shall be taken into account in determining the middle third of the trailer.

3. The foremost part of the illuminating surface of the foremost side facing reflector shall be not more than 3 metres from the front of the vehicle, and in the case of a trailer with a drawbar the drawbar shall be taken into account in determining the said distance.

4. The distance between the illuminating surfaces of two side facing reflectors shall not exceed 3 metres.

5. The rearmost part of the illuminating surface of the rearmost side facing reflector shall be not more than 1 metre from the rear of the vehicle.

6. Every side facing reflector shall be so fitted that its illuminating surface is vertical and at right angles to the longitudinal axis of the vehicle.

7. No side facing reflector shall be triangular.

8. Every side facing reflector shall be kept clean and plainly visible.".

41. In Schedule 5—

(*a*) in Part I, at the end of paragraph 7 there shall be added the following words:—

"In the event of a failure, other than a short-circuit, of a direction indicator, any other direction indicator on the same side of the vehicle may continue to show a light which flashes, but the rate may be less than 60 or more than 120 flashes per minute."; and

(*b*) in Part III, in paragraph 1, sub-paragraph (1) shall be omitted.

42. After Schedule 5 there shall be inserted the following new Schedule:—

"SCHEDULE 5A (see Regulation 70A)

PART I

The requirements referred to in Regulation 70A are as follows: —

1. On each side of the longitudinal axis of every motor vehicle there shall be fitted direction indicators shown as categories 1, 2 and 5 in Part II of this Schedule and which have—
   (i) the minimum horizontal angles of visibility specified in Part II of this Schedule, and
   (ii) the minimum vertical angles of visibility of 15° above the horizontal and 15° below the horizontal or, in the case of a direction indicator specified in the said category 5, and fitted to a motor vehicle, the lowest part of the illuminating surface of which is less than 750 millimetres from the ground, 15° above the horizontal and 5° below the horizontal;

   Provided that a single direction indicator which fulfils the requirements as to the said geometric angles of visibility as to direction indicators in the said category 1 and as to direction indicators in the said category 5 may be fitted on each side of the longitudinal axis of a motor vehicle instead of a direction indicator in the said category 1 and a direction indicator in the said category 5.

2. On each side of the longitudinal axis of every trailer there shall be fitted a direction indicator shown as category 2 in Part II of this Schedule and which has—
   (i) the minimum horizontal angles of visibility specified in Part II of this Schedule, and
   (ii) the minimum vertical angles of visibility of 15° above the horizontal and 15° below the horizontal.

3. Direction indicators constituting a pair shall be fitted to the vehicle so that they are symmetrically positioned on each side of the vertical plane passing through the longitudinal axis of the vehicle and at the same height from the ground, provided that in the case of an asymmetric vehicle these requirements shall be complied with so far as is possible having regard to the shape of the vehicle.

4. The edge of the illuminating surface which is furthest from the median longitudinal plane of the vehicle shall be not more than 400 millimetres from the extreme outer edge of the vehicle.

5. The distance between the inner edge of the illuminating surface of one of a pair of direction indicators and the inner edge of the illuminating surface of the other of a pair of direction indicators shall not be less than 600 millimetres.

6. In a case where the vertical distance between any part of the illuminating surface of a direction indicator shown as category 2 in Part II of this Schedule and any part of the illuminating surface of an obligatory rear lamp is not more than 300 millimetres, the distance between the extreme outer edge of the vehicle and the outer edge of the illuminating surface of the said direction indicator shall not exceed by more than 50 millimetres the distance between the extreme outer edge of the vehicle and the outer edge of the illuminating surface of the said obligatory rear lamp.

7. The lowest part of the illuminating surface of a direction indicator shall not be less than—

   (i) in the case of a direction indicator shown as category 1 or category 2 in Part II of this Schedule, 350 millimetres from the ground, and

   (ii) in the case of a direction indicator shown as category 5 in Part II of this Schedule, 500 millimetres from the ground.

8. The highest part of the illuminating surface of a direction indicator shall not be more than—

   (i) in the case of a direction indicator shown as category 1 or category 2 in Part II of this Schedule, 1500 millimetres from the ground or, if the structure of the vehicle is such that it is not possible for the highest part of the illuminating surface of the direction indicator to be not more than 1500 millimetres from the ground, 2100 millimetres from the ground, and

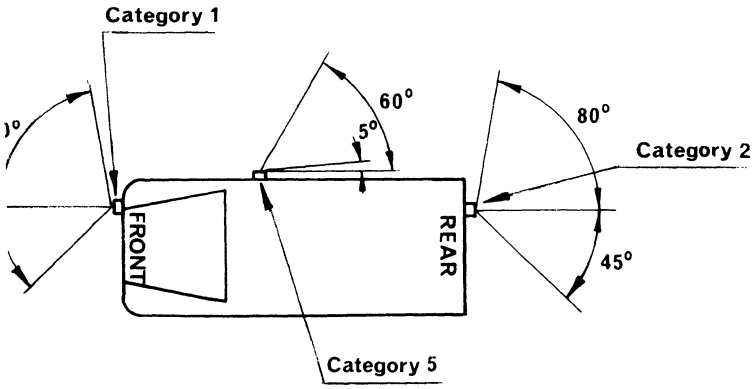
   (ii) in the case of a direction indicator shown as category 5 in Part II of this Schedule, 1500 millimetres from the ground or, if the structure of the vehicle is such that it is not possible for the highest part of the illuminating surface of the direction indicator to be not more than 1500 millimetres from the ground, 2300 millimetres from the ground.

9. The distance between the centre of the illuminating surface of a direction indicator shown as category 5 in Part II of this Schedule and the front of the vehicle shall not exceed 1800 millimetres or, if the structure of the vehicle is such that it is not possible for the said requirement to be complied with, the distance between the two said points shall not exceed 2500 millimetres.

10. The requirements specified in paragraphs 7, 8, 9, 10 and 11 of Part I of Schedule 5 shall be complied with.

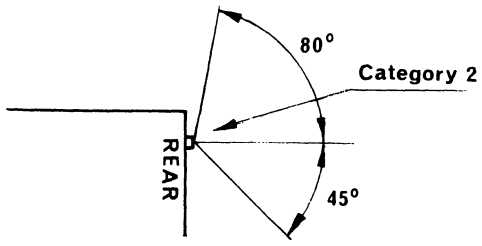
PART II

(Diagrams applicable to direction indicators mentioned in Regulation 70A and showing horizontal angles of visibility.)



The value of 5° given for the blind angle of visibility to the rear of the category 5 flank indicator is an upper limit

Arrangement for motor vehicles



Arrangement for trailers

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43. In Schedule 6—

(*a*) in Part II—

(i) in paragraph 1, for the words "at least 15 degrees above and 15 degrees below the horizontal" there shall be substituted the words "at least 15° above and 15° below the horizontal or, in the case of a stop lamp installed so that the lowest part of the illuminating surface of the lamp is less than 750 millimetres from the ground, 15° above the horizontal and 5° below the horizontal",

(ii) in paragraph 3, for the words "400 millimetres" there shall be substituted the words "350 millimetres", and

(iii) in paragraph 6, for sub-paragraph (*b*) there shall be substituted the following sub-paragraph:—

"(*b*) at least two shall be so designed that the light emitted thereby is emitted at the same time and shall be fitted to the vehicle so that they are—

(i) symmetrically positioned on each side of the vertical plane passing through the longitudinal axis of the vehicle and positioned at the same height from the ground, and

(ii) in such positions that the minimum distance between any part of the illuminating surface of one lamp and any part of the illuminating surface of the other lamp is not less than—

(*a*) in the case of a vehicle the overall width of which is less than 1.3 metres, 400 millimetres, and

(*b*) in the case of any other vehicle, 600 millimetres;";

and

(*b*) in Part III, for paragraph 4 there shall be substituted the following paragraph:—

"4. In this Part of this Schedule "approval mark" means either—

(i) a marking designated as an approval mark by Regulation 4 of the Designation of Approval Marks Regulations and shown in column (2) at items 7 or, if the stop lamp is combined with a rear lamp, at item 22, of Schedule 2 to those Regulations, or

(ii) a marking designated as an approval mark by Regulation 5 of the Designation of Approval Marks Regulations and shown in column (2) at item 7 or, if the stop lamp is combined with a rear lamp, at item 8 of Schedule 4 to those Regulations.".

William Rodgers,

Secretary of State for Transport.

22nd September 1977.

EXPLANATORY NOTE

(This Note is not part of the Regulations.)

1. These Regulations amend the Road Vehicles Lighting Regulations 1971—

(i) in pursuance of the provisions of Council Directives 76/756/EEC, 76/757/EEC, 76/758/EEC and 76/759/EEC all of 27th July 1976 (O.J. L262, 27.9.1976, pp. 1, 32, 54 and 71), and

(ii) so as to bring up to date references to the Construction and Use Regulations and the Designation of Approval Marks Regulations (as defined in Regulation 3).

2. The amendments made pursuant to Council Directive 76/756/EEC will enable vehicles which comply with the provisions of that Directive to be used on roads in the United Kingdom notwithstanding that they do not comply with the existing requirements of the 1971 Regulations. This has been done by relaxing certain requirements for the positioning of lamps and reflectors, or by permitting alternative arrangements of them.

3. The amendments made pursuant to Council Directives 76/757/EEC, 76/758/EEC and 76/759/EEC extend to markings designated as approval marks in relation to certain vehicle parts pursuant to those Directives provisions of the existing 1971 Regulations as to markings designated as approval marks in relation to certain vehicle parts pursuant to Regulations annexed to the Agreement concerning the adoption of uniform conditions of approval for Motor Vehicle Equipment and Parts and reciprocal recognition thereof concluded at Geneva on 20th March 1958, as amended, to which the United Kingdom is a party.

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