

19 February 2010

AGREEMENT

**CONCERNING THE ADOPTION OF UNIFORM TECHNICAL PRESCRIPTIONS
FOR WHEELED VEHICLES, EQUIPMENT AND PARTS WHICH CAN BE FITTED
AND/OR BE USED ON WHEELED VEHICLES AND THE CONDITIONS FOR
RECIPROCAL RECOGNITION OF APPROVALS GRANTED ON THE BASIS OF
THESE PRESCRIPTIONS */**

(Revision 2, including the amendments which entered into force on 16 October 1995)

Addendum 52 – Regulation 53

Revision 2 – Amendment 2

Supplement 10 to the 01 series of amendments: Date of entry into force: 24 October 2009

**UNIFORM PROVISIONS CONCERNING THE APPROVAL OF CATEGORY L3
VEHICLES WITH REGARD TO THE INSTALLATION OF LIGHTING
AND LIGHT-SIGNALLING DEVICES**



UNITED NATIONS

*/ Former title of the Agreement:

Agreement Concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958.

GE.10-

Insert a new paragraph 2.5.17., to read:

"2.5.17. "Daytime running lamp" means a lamp facing in a forward direction used to make the vehicle more easily visible when driving during daytime."

Insert a new paragraphs 2.22. and 2.23., to read:

"2.22. "Gross vehicle mass" or "maximum mass" means the technically permissible maximum laden mass as declared by the manufacturer.

2.23. "Laden" means so loaded as to attain the gross vehicle mass as defined in paragraph 2.22."

Paragraph 5.11.1., amend to read:

"5.11.1. If installed, the daytime running lamp shall automatically be ON when the engine is running. If no daytime running lamp is installed, the headlamp shall automatically be on when the engine is running."

Paragraph 5.13., amend to read:

"5.13. Colours of the lights

....
Front fog lamp: White or selective yellow
Rear fog lamp: Red
Daytime running lamp: White"

Insert a new paragraphs 5.15.3., to read:

"5.15.3. Daytime running lamp (paragraph 6.13.)."

Paragraphs 6.1.1.1. and 6.1.1.2., amend to read:

"6.1.1.1. For motorcycles having a cylinder capacity $\leq 125 \text{ cm}^3$

One or two of approved type according to:

- (a) Class B, C, D or E of Regulation No. 113;
- (b) Regulation No. 112;
- (c) Regulation No. 1;
- (d) Regulation No. 8;
- (e) Regulation No. 20;
- (f) Regulation No. 57;
- (g) Regulation No. 72;
- (h) Regulation No. 98.

6.1.1.2. For motorcycles having a cylinder capacity $> 125 \text{ cm}^3$

One or two of approved type according to:

- (a) Class B, D or E of Regulation No. 113;
- (b) Regulation No. 112;
- (c) Regulation No. 1;
- (d) Regulation No. 8;
- (e) Regulation No. 20;
- (f) Regulation No. 72;
- (g) Regulation No. 98.

Two of approved type according to:

- (h) Class C of Regulation No. 113."

Paragraphs 6.2.1.1. and 6.2.1.2., amend to read:

"6.2.1.1. For motorcycles having a cylinder capacity $\leq 125 \text{ cm}^3$

One or two of approved type according to:

- (a) Class B, C, D or E of Regulation No. 113;
- (b) Regulation No. 112;
- (c) Regulation No. 1;
- (d) Regulation No. 8;
- (e) Regulation No. 20;
- (f) Regulation No. 57;
- (g) Regulation No. 72;
- (h) Regulation No. 98.

6.2.1.2. For motorcycles having a cylinder capacity $> 125 \text{ cm}^3$

One or two of approved type according to:

- (a) Class B, D or E of Regulation No. 113;
- (b) Regulation No. 112;
- (c) Regulation No. 1;
- (d) Regulation No. 8;
- (e) Regulation No. 20;

- (f) Regulation No. 72;
- (g) Regulation No. 98.

Two of approved type according to:

- (h) Class C of draft Regulation No. 113."

Insert new paragraphs 6.2.5.3. and 6.2.5.4., to read (including a reference to new footnote 4/ and the insertion of a new footnote 4/):

"6.2.5.3. For passing beam headlamps with a light source having an objective luminous flux which exceeds 2,000 lumen, the vertical inclination of the passing beam headlamp shall remain between -0.5 and -2.5 per cent. A headlamp levelling device may be used to satisfy the requirements of this paragraph but its operation shall be automatic. 4/

6.2.5.4. The requirement in paragraph 6.2.5.3. shall be tested on the vehicle in the following conditions:

Condition A (rider alone):

A mass of 75 kg ± 1 kg, simulating the rider, shall be placed on the vehicle in such a way as to reproduce the axle loads declared by the manufacturer for this loading condition.

The vertical inclination (initial aiming) of the passing beam headlamp shall be set, following the manufacturer's instructions, between -1.0 and -1.5 per cent.

Condition B (fully laden motorcycle):

masses, simulating the manufacturer's maximum total mass, shall be placed on the vehicle in such a way as to reproduce the axle loads declared by the manufacturer for this loading condition.

Before making the measurements, the vehicle shall be rocked 3 times up and down and then moved backwards and forwards for at least a complete wheel revolution."

4/ However, until 60 months after the date of entry into force of supplement 10 to the 01 series of amendments this operation may be manual without the use of tools. In such case the manufacturer shall provide in the vehicle owners' manual instruction regarding such manual headlamp levelling."

Paragraph 6.2.7., amend to read:

"6.2.7. Electrical connections

The control for changing over to the passing beam(s) shall switch off the driving beam(s) simultaneously.

Passing beam headlamps with a light source approved in accordance with Regulation No. 99 shall remain switched on when the driving-beam is illuminated."

Insert new paragraphs 6.13. to 6.13.8., to read:

"6.13. DAYTIME RUNNING LAMP

6.13.1. Presence

Optional for motorcycles.

6.13.2. Number

One or two of approved type according to Regulation No. 87.

6.13.3. Arrangement

No special requirement.

6.13.4. Position

6.13.4.1. In width:

6.13.4.1.1. An independent daytime running lamp may be installed above, below or to one side of another front lamp: If these lamps are one above the other, the reference centre of the daytime running lamp shall be located within the median longitudinal plane of the vehicle; if these lamps are side by side, the edge of the illuminating surface shall not be more than 250 mm from the median longitudinal plane of the vehicle.

6.13.4.1.2. A daytime running lamp, that is reciprocally incorporated with another front lamp (driving beam headlamp or front position lamp), shall be fitted in such a way that the edge of the illuminated surface lies not more than 250 mm from the median longitudinal plane of the vehicle.

6.13.4.1.3. Two daytime running lamps, of which either one or both are reciprocally incorporated with another front lamp, shall be installed in such a way that their reference centres are symmetrical in relation to the median longitudinal plane of the vehicle.

6.13.4.1.4. In the case of two daytime running lamps, the distance separating the illuminating surfaces shall not exceed 240 mm.

6.13.4.2. In height:

Above the ground not less than 250 mm and not more than 1,500 mm.

6.13.4.3. In length:

At the front of the vehicle.

6.13.5. Geometric visibility

Horizontal: Outwards 20° and inwards 10°.

Vertical: Upwards 10° and downwards 10°.

6.13.6. Orientation

Towards the front. The lamp(s) may move in line with the steering angle.

6.13.7. Electrical connections

6.13.7.1. If installed, the daytime running lamp shall be switched ON automatically when the device, which starts and/or stops the engine, is in a position which makes it possible for the engine to operate.

The daytime running lamp shall switch OFF automatically when the headlamps are switched ON, except when the latter are used to give intermittent luminous warnings at short intervals.

Furthermore, the lamps referred to in paragraph 5.10. shall not be switched ON when the daytime running lamps are switched ON.

6.13.7.2. If the distance between the front direction-indicator lamp and the daytime running lamp is equal or less than 40 mm, the electrical connections of the daytime running lamp on the relevant side of the vehicle may be such that either:

- (a) It is switched OFF; or
- (b) Its luminous intensity is reduced during the entire period (both ON and OFF cycle) of activation of a front direction-indicator lamp.

6.13.7.3. If a direction indicator lamp is reciprocally incorporated with a daytime running lamp, the electrical connections of the daytime running lamp on the relevant side of the vehicle shall be such that the daytime running lamp is switched OFF during the entire period (both ON and OFF cycle) of activation of the direction-indicator lamp.

6.13.8. Tell-tale

Closed-circuit tell-tale optional."

Paragraphs 11.1. to 11.3., amend to read:

- "11.1. As from the official date of entry into force of Supplement 10 to the 01 series of amendments, no Contracting Party applying this Regulation shall refuse to grant approvals under this Regulation as amended by Supplement 10 to the 01 series of amendments.
- 11.2. As from 60 months after the date of entry into force mentioned in paragraph 11.1. above, Contracting Parties applying this Regulation shall grant approvals only if the vehicle type with regard to the number and mode of installation of the lighting and light-signalling devices corresponds to the requirements of the Supplement 10 to the 01 series of amendments to this Regulation.
- 11.3. Existing approvals granted under this Regulation before the date mentioned in paragraph 11.2. above shall remain valid. In the case of vehicles first registered more than 84 months after the date of entry into force mentioned in paragraph 11.1. above Contracting Parties applying this Regulation may refuse the vehicle type with regard to the number and mode of installation of the lighting and light-signalling devices which do not meet the requirements of the Supplement 10 to the 01 series of amendments to this Regulation."

Annex 1, Communication form,

Insert new items 11. to 11.2., to read (including the reference to footnote 3/ and footnote 3/):

- "11. Masses as declared by the manufacturer (3/)
- 11.1. mass in running order:
Total mass: kg
Mass on the front wheel: kg
Mass on the rear wheel: kg
- 11.2. Gross vehicle mass:
Total mass: kg
Mass on the front wheel: kg
Mass on the rear wheel: kg

3/ These sections only need to be completed if the test according to paragraph 6.2.5.4. is performed."

Items 11. to 17. (former), renumber as items 12. to 18.
