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Working Party on Lighting and Light-Signalling

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Item 15.2. of the provisional agenda

REGULATION No. 53

(Installation of lighting and light-signalling devices on L₃ category vehicles)

Installation of daytime running lamps

Proposal for draft amendments to Regulation No. 53

Submitted by the expert from Germany

The text reproduced below was prepared by the expert from Germany proposing to allow the installation of daytime running lamps (DRL), approved according to Regulation No. 87, on L₃ category vehicles. The modifications to the current text of the Regulation (up to Supplement 7 to the 01 series of amendments) are marked in **bold** characters.

Note: This document is distributed to the Experts of the Working Party on Lighting and Light-Signalling (GRE) only.

A. PROPOSAL

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."

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 passing beam 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 new paragraphs 6.13. to 6.13.8., to read:

"6.13. DAYTIME RUNNING LAMP

6.13.1. Presence

Optional for motorcycles having a cylinder capacity > 125 cm³.

6.13.2. Number

One, approved according to Regulation No. 87.

6.13.3. Arrangement

No special requirement.

6.13.4. Position

6.13.4.1. In width: the daytime running lamp shall be fitted within the medium longitudinal plane of the vehicle.

6.13.4.2. In height: above the ground not less than 500 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 20°.

Vertical: upwards 10° and downwards 10°.

6.13.6. Orientation

Towards the front.

6.13.7. Electrical connections

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.

6.13.8. Tell-tale

Closed-circuit tell-tale optional."

B. JUSTIFICATION

In accordance with the application laws of many countries, vehicles of category L must drive with the passing beam headlamps switched on. Germany sees an improvement for road safety by replacing the passing beam function by daytime running lamps. This will increase the vehicle visibility and will be favourable for the lifetime of the light sources used in passing beam headlamps. An improved perception of such vehicles under daytime conditions will also be provided.

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