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|  | E/ECE/324/Rev.1/Add.64/Rev.2/Amend.5−E/ECE/TRANS/505/Rev.1/Add.64/Rev.2/Amend.5 |
|  |  | 22 November 2023 |

 Agreement

 Concerning the Adoption of Harmonized Technical United Nations Regulations 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 United Nations Regulations[[1]](#footnote-2)\*

(Revision 3, including the amendments which entered into force on 14 September 2017)

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 Addendum 64 – UN Regulation No. 65

 Revision 2 - Amendment 5

Supplement 12 to the original version of the Regulation – Date of entry into force:
24 September 2023

 Uniform provisions concerning the approval of special warning lamps for power-driven vehicles and their trailers

This document is meant purely as documentation tool. The authentic and legal binding texts is: ECE/TRANS/WP.29/2023/34.

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**UNITED NATIONS**

*Table of content, Annexes,* add a reference to a new Annex 9:

"9 Test for the base mounting of magnetically attached special warning lamps"

*Add a new paragraph 5.10.* to read:

5.10. In case of a magnetic attachment the special warning lamp shall be exposed to the test described in Annex 9 to this regulation. During the test the magnetic base mounting shall not move by more than 200 mm from the original position.1”

*Insert footnote 1 to paragraph 5.10.* toread:

1 The manufacturer shall inform the user, that an attachment is only possible for a roof of adequate steel or a steel mounting plate.

*Insert a new Annex 9* to read:

"Annex 9

 Test for the base mounting of magnetically attached special warning lamps

The tests shall be performed at 23°C ± 5° ambient temperature on a metal surface of sufficient size and the following specifications:

- type of metal: steel with a nominal yield strength of 180 N/mm² - 240 N/mm²;

- thickness of metal surface: 0,7 + 0,1 - 0 mm;

- radius of curvature: ≤ 5000 mm;

- paint thickness: 120 ± 20 μm;

- paint protection: Polyurethane film;

- paint protection thickness: ≥200 μm including glue.

- the metal surface must be >20mm above any other ferrous or magnetic material.

Figure 1

**Metal surface with paint and paint protection film**

Paint protection film

Paint

Metal

The special warning lamp shall be magnetically attached to the flat metal surface and subjected to a single shock pulse with a minimum acceleration of 16 g during 30 ms.

The direction of the acceleration shall be in horizontal direction."

1. \* Former titles 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 (original version);

 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, done at Geneva on 5 October 1995 (Revision 2). [↑](#footnote-ref-2)