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World Forum for Harmonization of Vehicle Regulations

185th session

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Item 4.10.4 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRVA

Proposal for Supplement 7 to the 02 series of amendments to UN Regulation No. 90 (Replacement break parts)

Submitted by the Working Party on Automated/Autonomous and Connected Vehicles *

The text reproduced below was adopted by the Working Party on Automated/Autonomous and Connected Vehicles (GRVA) at its tenth session in May 2021 (ECE/TRANS/WP.29/GRVA/10, para. 87). It is based on Annex VII to the session report. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their November 2021 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2021 as outlined in proposed programme budget for 2021 (A/75/6 (part V sect. 20) para 20.51), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



Annex 9, Part A

Insert a new paragraph 3.1.1.1. (after paragraph 3.1.1.), to read:

"3.1.1.1. Alternatively the machine may be equipped with a disc brake and corresponding brake disc having a diameter of 278 ± 2 mm such as to allow a rectangular piece of the friction material with a surface area of $44 \text{ cm}^2 \pm 0.5 \text{ cm}^2$ and a thickness of at least 6 mm to be attached to the backing plates of the disc brake.

In this case the Registered Values of friction to be used for ongoing COP checks shall be established in accordance with the technical service by comparative tests using the same batch of friction material with the test hardware specified in 3.1.1 and the alternative hardware.

The applicant shall provide the values for the friction behavior resulting from the use of alternative test hardware in accordance with Annex 9 paragraph 3.4.1. of this Regulation and the results shall be attached to the type-approval report."
