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World Forum for Harmonization of Vehicle Regulations

Working Party on Brakes and Running Gear

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Item 7 of the provisional agenda

**REGULATIONS No. 90
(Replacement brake linings)**

Proposal for amendments to Regulation No. 13-H

Submitted by the expert from Germany */

The text reproduced below was prepared by the Chairman of the Informal Group on Replacement Discs and Drums to align the provisions in Regulation No. 13-H with those in Regulation No. 90 regarding the information necessary for the type approval to identify the original replacement discs and drums. It is based on document ECE/TRANS/WP.29/GRRF/2008/10. The modifications to the existing text of the Regulation are marked in bold characters.

*/ In accordance with the programme of work of the Inland Transport Committee for 2006-2010 (ECE/TRANS/166/Add.1, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance performance of vehicles. The present document is submitted in conformity with that mandate.

A. PROPOSAL

Insert a new paragraph 2.24., to read:

"2.24. "Identification Code" identifies the brake discs or brake drums covered by the braking system approval according to this regulation. It contains at least the manufacturer's trade name or trademark and an identification number."

Add new paragraphs 12.5. to 12.7., to read:

"12.5. As from the official date of entry into force of the Supplement 10 to the original version of this Regulation, no Contracting Party applying this Regulation shall refuse to grant approval under this Regulation as amended by Supplement 9 to the original version of this Regulation.

12.6. Contracting Parties applying this Regulation shall continue to grant approvals to those types of vehicles which comply with the requirements of this Regulation as amended by Supplement 9 to the original version of this Regulation during the 12 month period which follows the date of entry into force of supplement 10 to the original version of this Regulation.

12.7. Contracting Parties applying this Regulation shall not refuse to grant extensions of approval according to this Regulation as amended by Supplement 9 to the original version of this Regulation."

Annex 1, items 7. to 7.2., amend to read:

"7. Make and type of brake linings, discs and drums:

7.1. Brake linings

7.1.1. Brake linings tested to all relevant prescriptions of Annex 3

7.1.2. Alternative brake linings tested in Annex 7

7.2. Brake disc and drums

7.2.1. Identification code of brake discs covered by the braking system approval

**7.2.2. Identification code of brake drums covered by the braking system approval
....."**

Annex 1, Appendix 1, items 2. to 2.2., amend to read:

- "2. Make and type of brake linings, **discs and drums**:
- 2.1. Brake linings**
- 2.1.1. Brake linings tested to all relevant prescriptions of Annex 3
- 2.1.2. Alternative brake linings tested in Annex 7
- 2.2. Brake disc and drums**
- 2.2.1. Identification code of brake discs covered by the braking system approval**
.....
- 2.2.2. Identification code of brake drums covered by the braking system approval**
....."

B. JUSTIFICATION

In order to apply the forthcoming amendments to Regulation No. 90 introducing type approval requirements for replacement discs and drums, it is necessary to identify the original replacement discs and drums.

Since the only formal communication between the type approval authority and the vehicle manufacturer is the brake system type approval documentation, the most logical place to identify the discs and drums covered by an approval of the braking system is the communication sheet (Annex 2 to Regulation No. 13-H). The communication sheet already includes item 8 on brake linings. It is therefore logical to add to the communication sheet the discs and drums together with the brake lining. Appendix 1 to Annex 2 ("List of vehicle data for the purpose of Regulation No. 90 approvals") has to be amended accordingly.

The introduction of an identification code for each disc and drum means for the vehicle manufacturers a complete redefinition of their internal part numbering system. This means that a new numbering system has to be defined and to be introduced in all subsidiaries and for each franchise company of the vehicle manufacturer in all the countries of the world applying Regulation No. 13-H. Consequently, a lead time of 12 months should be allowed for the introduction of this identification code in the type approval communication of Regulation No. 13-H. However, the introduction of the identification code should already be possible when the amendments to Regulation No. 90 for replacement discs and drums will enter into force in order not to delay this introduction.

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