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**ECONOMIC COMMISSION FOR EUROPE**

**INLAND TRANSPORT COMMITTEE**

World Forum for Harmonization of Vehicle Regulations

Working Party on Brakes and Running Gear

Sixty-fourth session  
Geneva, 16-19 September 2008  
Item 6 of the provisional agenda

REGULATION No. 90  
(Replacement brake linings)

Proposal for draft amendments to Regulation No. 13  
(Heavy Vehicle Braking)

Submitted by the expert from the European Association of Automotive Suppliers (CLEPA) \*/

The text reproduced below was prepared by the expert from CLEPA to align the provisions in Regulation No. 13 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 a document without a symbol (informal document No. GRRF-63-42), distributed during the sixty-third session of the Working Party on Brakes and Running Gear (GRRF) (see report ECE/TRANS/WP.29/GRRF/63, para. 21). The modifications to the existing text of the Regulation are marked in **bold** characters.

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\*/ 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 2.35., to read:

**"2.35. "Replacement Code" identifies a brake disc or brake drum as an original replacement part. It contains at least the manufacturer's trade name or trademark and an identification number."**

Annex 2, items 8. to 8.2., amend to read:

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

**8.1. Brake linings**

8.1.1. Brake linings tested to all relevant prescriptions of Annex 4 .....

8.1.2. Alternative brake linings tested in Annex 15 .....

**8.2. Brake discs and drums**

**8.2.1. Replacement code of brake discs .....**

**8.2.2. Replacement code of brake drums .....**

B. JUSTIFICATION

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

According to the new requirements, the vehicle manufacturer shall provide to the technical service and/or approval authority the necessary information in electronic format, which makes the link between the replacement code and the braking system type approval documentation.

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, that are included in the Regulation No. 13 approval of the braking system, is the communication sheet (Annex 2).

Moreover, the communication sheet already includes item 8 on brake linings. It is only a logical consequence that, because of the addition of discs and drums in Regulation No. 90, the discs and drums are also added to the communication sheet together with the brake lining.

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