



# Economic and Social Council

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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

#### Eightieth session

Geneva, 15-18 September 2015

Item 6 of the provisional agenda

#### Regulation No. 90 (Replacement brake linings)

### **Proposal for amendments to Regulation No. 90 (Replacement brake linings)**

#### **Submitted by the experts from the European Association of Automotive Suppliers\***

The text reproduced below was prepared by the experts of the European Association of Automotive Suppliers (CLEPA), introducing an amendment to UN Regulation No. 90 to avoid administrative and financial costs to the applicant. The modifications to the existing text of the Regulation are marked in bold for new or strikethrough for deleted characters.

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\* In accordance with the programme of work of the Inland Transport Committee for 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

## I. Proposal

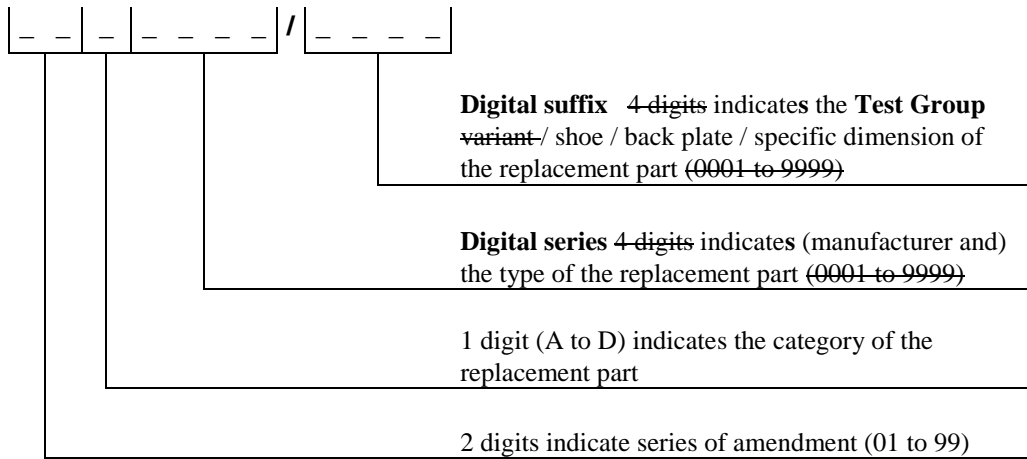
Paragraph 4.2.3., amend to read:

"4.2.3. The next ~~four~~ **series of** digits shall indicate the manufacture and the type of the brake lining, the type of disc or the type of drum.

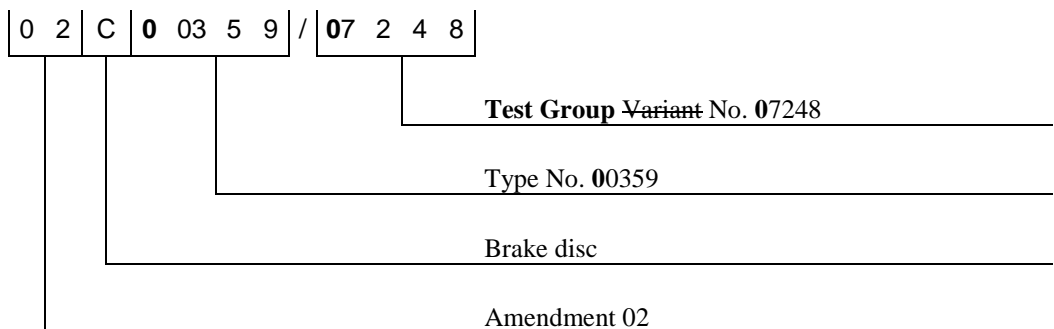
**The digital suffix** ~~A suffix of four digits~~ shall indicate:

- (a) the shoe or back plate or specific dimension in the case of drum brake linings;
- (b) the **Test Group variant** in the case of a replacement disc or replacement drum.

**The variants approved as a Test Group shall be listed as an appendix to the approval document:**



Example:



"

Paragraph 5.3.6., amend to read

"5.3.6. Test group criteria (within the same type)

~~The testing in test groups is possible for interchangeable parts only if the connection between the mounting area and the disc friction faces are of the same general form.~~

**It is only possible to test interchangeable parts in Test Groups if the connection between the mounting area and the disc friction faces are of the same general form...."**

*Paragraph 5.3.7.4., amend to read:*

"5.3.7.4. Tests

Each test group (see 5.3.6.) within a particular type of replacement brake disc/drum (see ~~3.3.2.~~ 5.3.5.) shall be tested by the Technical Service."

## II. Justification

### A. Paragraph 4.2.3.

(a) Test Group

1. As currently worded the approval of a Test Group requires individual certification for each part contained within the Test Group.
2. Some Test Groups can contain in the region of 30 part numbers.
3. The current wording thus increases the administrative burden and the consequent cost to the applicant of securing approval at no safety benefit to the consumer.
4. This was not the intention of the working group that drafted the extension to Regulation No. 90 and is different to brake linings where the approval of all parts contained within a Test Group are covered by a single certificate.
5. This proposal thus harmonises the system and practice for brake discs and drums with that for brake linings.

(b) Digit number for Type and Test Group

6. The restriction on the number of digits (4) used to define the Type and Test Group has been removed since the number of approvals issued has already exceeded 4 digits with some Approving Authorities.

(c) Approval document

7. The requirement for an appendix to the approval document listing the variants that have formed the Test Group has been added.

### B. Paragraph 5.3.6.

8. An editorial change has been made to improve clarity of understanding.

### C. Paragraph 5.3.7.4.

9. A correction to a numbering error: paragraph 3.3.2. refers to brake lining assemblies, not brake discs and drums; paragraph 5.3.5. defines the type of brake disc/drum.