

REGULATION No. 90
(Replacement brake linings)

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

Submitted by the GRRF Informal Group on "ECE-R.90 - Replacement Discs and Drums"
(RD&D) */

The text reproduced below was prepared by the chairman of the GRRF Informal Group on Replacement Discs and Drums 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 document ECE/TRANS/WP.29/GRRF/2008/11. The modifications to the existing text of the Regulation are marked in **bold** characters.

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."**

Add new paragraphs 12.X1 and 12.X2 to read :

"12.X1. As from the official date of entry into force of Supplement X to the 11th series of amendments of this Regulation, no Contracting Party applying this Regulation shall refuse to grant ECE approval under this Regulation as amended by Supplement X to the 11th series of amendments of this Regulation.

12.X2 Contracting Parties applying this Regulation shall continue to grant ECE approvals to those types of vehicles which comply with the requirements of this Regulation as amended by Supplement X-1 to 11th series of amendments of this Regulation until 12 months after the entry into force of Supplement X."

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 covered by the braking system approval
.....

8.2.2. Replacement code of brake drums covered by the braking system approval
....."

Annex 2, 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 4

2.1.2. Alternative brake linings tested in Annex 15

2.2. Brake disc and drums

2.2.1. Replacement code of brake discs covered by the braking system approval
.....

2.2.2. Replacement 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, which is included in Regulation No. 13 approval of the braking system, is the communication sheet (Annex 2 "Communication concerning the approval or extension or refusal or withdrawal of approval or production definitely discontinued of a vehicle type with regard to braking, pursuant to Regulation No. 13").

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.

For the same reasons, 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 a replacement code for each disc and drum means for vehicle manufacturers a complete redefinition of their internal part numbering system. That 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 countries of the world that apply regulations UNECE 13 and/or 13H.

Consequently, an additional lead-time of 12 months should be allowed for the introduction of this replacement code in the type approval communication of Regulation No. 13 and 13H. However, in order not to delay this introduction, the introduction of the replacement code should already be possible when the amendments to Regulation No. 90 for replacement discs and drums will enter into force.
