

**GFV PROPOSAL FOR A CORRIGENDUM TO ECE/TRANS/WP.29/2009/117 – Proposal
for Supplement 4 to Regulation No. 115. (Specific LPG and CNG retrofit systems)**

This proposal has been prepared by the experts from the GFV Group in order to present a corrigendum to the Supplement 4 to Regulation No. 115.

The modifications to the current text of the Regulation are marked in **bold** characters.

A. PROPOSAL

Paragraph 6.1.2.1., amend as follows:

“6.1.2.1. One LPG retrofit system sample, as described in paragraph 2. of this Regulation, installed into the parent vehicle(s), as described in paragraph 2. of this Regulation, shall be submitted to the test procedures described in **the UN/ECE Regulations or European Directives or Regulations according to which the initial type-approval of the vehicle has been granted** ~~No. 83-4/ and No. 101, or No. 49 5/ 6/~~, where applicable, in the limits of the requirements of paragraphs 6.1.2.4. and 6.1.2.5. The vehicles and/or the engines are also submitted to a maximum power comparison test, as described in Regulation No. 85 for engines, or defined in paragraph 6.1.3. below for vehicles.”

Amend the footnote 4 as follows:

“~~4/~~ According to Regulation No. 83,~~the series of amendments or Directive amending Directive 70/220/EEC or Regulation 692/2008 implementing Regulation 715/2007 under which in force during the initial type approval of the engine vehicle with regard to pollutant emission was granted.~~”

Add a new footnote 6/ as follows:

“6/ According to Regulation No. 101 series of amendments or Directive amending Directive 80/1268/EEC or Regulation amending Regulation 692/2008 implementing Regulation 715/2007 under which the initial type-approval of the vehicle with regard to CO₂ emissions and fuel consumption was granted.”

Paragraph 6.1.2.4.1.1., amend as follows:

“The emissions of CO, HC₇ and NO_x are calculated according to **UN/ECE Regulations or European Directives or Regulations according to which the initial type-approval of the vehicle has been granted** ~~No. 83- 4/5/~~”

Paragraph 6.1.2.4.3.1., amend as follows:

~~“The emissions of CO₂ are calculated according to Regulation No. 101 for each parent vehicle, if applicable.~~

Tests shall be performed together with those specified in paragraph 6.1.2.4. according to the test procedures in force during the initial type-approval of the vehicle 6/ on each parent vehicle with the following fuels, if applicable:

- (i) reference petrol,
- (ii) reference LPG A ,
- (iii) reference LPG B.

**The dynamometer setting shall be that specified in paragraph 6.1.2.4.2.
...**

Paragraph 6.2.2.1., amend as follows:

“6.1.2.1. One CNG retrofit system sample, as described in paragraph 2. of this Regulation, installed into the parent vehicle(s), as described in paragraph 2. of this Regulation, shall be submitted to the test procedures described in **the UN/ECE Regulations or European Directives or Regulations according to which the initial type-approval of the vehicle has been granted 4/5/6/No. 83 ~~4/~~ and No. 101, or No. 49 ~~5/ 6/~~**, where applicable, in the limits of the requirements of paragraphs 6.2.2.5 and 6.2.2.6.
The vehicles and/or the engines are also submitted to a maximum power comparison test, as described in Regulation No. 85 for engines, or defined in paragraph 6.1.3. below for vehicles.”

Amend the footnotes, numbering and content, at the bottom of the page according to the previous ones.

Paragraph 6.2.2.4.1.1., amend as follows:

“The emissions of CO, HC₇ and NO_x are calculated according **to UN/ECE Regulations or European Directives or Regulations according to which the initial type-approval of the vehicle has been granted No. 83. 4/5/**”

Paragraph 6.2.2.4.3.1., amend as follows:

~~“The emissions of CO₂ are calculated according to Regulation No. 101 for each parent vehicle, if applicable.~~
Tests shall be performed together with those specified in paragraph 6.2.2.4. according to the test procedures in force during the initial type-approval of the vehicle 6/ on each parent vehicle with the following fuels, if applicable:

- (i) reference petrol,
- (ii) reference G20 fuel,
- (iii) reference G25 fuel.

**The dynamometer setting shall be that specified in paragraph 6.2.2.4.2.
...**

B. JUSTIFICATION

Supplement 4 does not bring Regulation No. 115 at a level to which type approval of Euro 5, or its equivalent latest series of amendments to Regulation No. 83, is made possible. This corrigendum aims at filling this gap.

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