

Proposal for Supplement 4 to the 03 series of amendments to Regulation No. 12
(Steering mechanism)

This proposal is further to the discussions on ECE-TRANS-WP29-GRSP-2008-16e during GRSP 43 rd session in May 08.

A. PROPOSAL

Annex 4,

Insert a new paragraph 2.3.1., to read:

"2.3.1. Following are non mandatory additional guidelines for mechanical properties of the bodyblock

(a) Rate of loading during stiffness measurement – 250 ± 50 mm/min,

(b) Centre of gravity – 551.2 ± 6 mm from top of the bodyblock,

(c) Moment of inertia about lateral axis through centre of gravity – 23 ± 2.3 kg.m²."

Annex 5, paragraph 3.2., amend to read:

"3.2. The head form shall be fitted with two accelerometers ~~and a speed measuring device, all~~ capable of measuring values in the impact direction."

B. JUSTIFICATION

Annex 4, paragraph 2.3.1.

The definition of the bodyblock is incomplete in absence of the following information –

3.1.1 Rate of loading during stiffness measurement,

3.1.2 Centre of gravity,

3.1.3 Moment of inertia

It is proposed to adopt the these guidelines based on SAE J944 (which is withdrawn by SAE)

Annex 5, paragraph 3.2.

In all the head impact tests, speed measuring device is not a part of headform. It is an external stationary system with optical / non optical beams being used popularly.
