UNITED NATIONS **E**

Economic and Social Council

Distr.
GENERAL

ECE/TRANS/WP.29/2008/101
23 July 2008

Original: ENGLISH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations

One-hundred-and-forty-sixth session
Geneva, 11 - 14 November 2008
Item 4.2.2 of the provisional agenda

1958 AGREEMENT

Consideration of draft amendments to existing Regulations

Proposal for Supplement 1 to the 03 series of amendments to Regulation No. 11
(Door latches and hinges)

Submitted by the Working Party on Passive Safety (GRSP) */

The text reproduced below was adopted by GRSP at its forty-third session. It is based on Annex II to the report. It is transmitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration (ECE/TRANS/WP.29/GRSP/43, paras. 16 and 17).

*/ 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.

Paragraph 6.1.3., amend to read:

"6.1.3. Load Test Three (applicable only to back doors that open in a vertical direction)"

Paragraph 6.1.5.1.(d), amend to read:

"6.1.5.1. .....

(d) On back doors;

(i) Not separate when a load of 11,000 N is applied perpendicular to the hinge face plate (longitudinal test) such that the hinge plates are not compressed against each other (Load Test One).

(ii) Not separate when a load of 9,000 N is applied perpendicular to the axis of the hinge pin and parallel to the hinge face plate (transverse load test) such that the hinge plates are not compressed against each other (Load Test Two).

(iii) Not separate when a load of 9,000 N is applied in the direction of the axis of the hinge pin (Load Test Three – only for back doors that open in a vertical direction)."

Paragraph 6.2.4.2.1., amend to read:

"6.2.4.2.1. A separation which permits a sphere with a diameter of 100 mm to pass unobstructed from the exterior of the vehicle to the interior of the vehicle, while the required force is maintained."

Paragraph 6.3.2.1., amend to read:

"6.3.2.1. The locking device may be a:

(a) Child safety lock system, or

(b) Lock release/engagement device located within the interior of the vehicle and readily accessible to the driver of the vehicle or an occupant seated adjacent to the door."

Annex 3,

Paragraph 2.1.2.1.1., amend to read:

"2.1.2.1.1. Attach the test fixture to the mounting provisions of the latch and striker. Align in the direction of engagement parallel to the linkage of the fixture. Mount the fixture with the latch and striker in the fully latched position in the test machine."

Paragraph 2.1.2.2.1., amend to read:

"2.1.2.2.1. Attach the test fixture to the mounting provisions of the latch and striker. Align in the direction of engagement parallel to the linkage of the fixture. Mount the test fixture with the latch and striker in the secondary latched position in the test machine."

Paragraph 2.2.2.1.1., amend to read:

"2.2.2.1.1. Attach the test fixture to the mounting provisions of the latch and striker. Mount the test fixture with the latch and striker in the fully latched position in the test machine."

Paragraph 2.2.2.2.1., amend to read:

"2.2.2.2.1. Attach the test fixture to the mounting provision of the latch and striker. Mount the test fixture with the latch and striker in the secondary latched position in the test machine."

Paragraph 2.3., amend to read:

"2.3. Load Test Three (only for back doors that open in a vertical direction)"

Paragraph 2.3.2.1., amend to read:

"2.3.2.1. Attach the test fixture to the mounting provisions of the latch and striker. Mount the test fixture in the fully latched position in the test machine."

Figure 3-3, the title, amend to read:

"Figure 3-3 - Door Latch – Tensile Testing Fixture for Load Test Three (only for back doors that open in a vertical direction)"

Annex 4,

Paragraph 2.3.3.5., amend to read:

"2.3.3.5. Vertical Setup 1. (Only for back doors that open in a vertical direction). Orient the door subsystem(s)…"

Paragraph 2.3.3.6., amend to read:

"2.3.3.6. Vertical Setup 2. (Only for back doors that open in a vertical direction). Orient the door subsystem(s)…"

Annex 5,

Paragraph 1., amend to read:

"1. Purpose

These tests are conducted to determine the ability of the vehicle hinge system to withstand test loads:

(a) In the longitudinal and transversal directions and, in addition,

(b) For back doors that open in a vertical direction only, also the vertical direction, as shown in Figure 5-2."

Paragraph 2.1.3., amend to read:

"2.1.3. Vertical load test (only for back doors that open in a vertical direction)"

Annex 6,

Paragraph 3.2., amend to read:

"3.2. Remove seats and any interior components that may interfere with the mounting and operation of the test equipment and all pillar trim and any non-structural components that overlap the door and cause improper placement of the force application plates."

Paragraph 3.3., amend to read:

"3.3. Mount the force application devices and associated support structure to the floor of the test vehicle. Each force application device and associated support structure is rigidly fixed on a horizontal surface on the vehicle floor, while applying the loads."

Paragraph 3.6.1., amend to read:

"3.6.1. The force application plate is 150 mm in length, and 50 mm in width, and at least 15 mm in thickness. The plate edges are rounded to a radius of 6 mm ± 1 mm."

Paragraph 3.7.1., amend to read:

"3.7.1. The force application plate is 300 mm in length, and 50 mm in width, and at least 15 mm in thickness. The plate edges are rounded to a radius of 6 mm ± 1 mm."

Paragraph 4.1., amend to read:

"4.1. Move each force application device at a rate up to 2,000 N per minute,……."

Paragraph 4.4., amend to read:

"4.4. Maintain the force application device position of paragraph 4.3., and within 60 seconds, measure the separation between the exterior edge of the doorframe and the interior of the door along the perimeter of the door."

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