KES

Head Rest Strength Test

KES T – I 090

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1. Purpose

The purpose of this standard shall be to evaluate static strength of a head rest.

2. Scope of Application

This shall be applied to a seat equipped with a head rest of the entire car types (passenger car, van, truck).

3. Evaluation Standard

(1) The edge displacement of a head rest (d) should be less than 92 mm.

(2) There should be no damage when adding a load of 100 kgf (980 N).

4. Test Preparation

(1) S.A.E 3DM BACK Pan

(2) Head form (ϕ 165)

(3) Displacement gauge & load cell

5. Test Condition

Item	Condition
Head form load point	• USA, Canada, E.C.E Japan ... 2.5 " (63.5 mm) downward from upper edge of H/Rest • Adr specification ... 635 mm upward from H.P
Load direction	At each D.T.R.L
Head rest	Set the highest edge
Slide	Set the last edge, set the other adjustment devices at the design standard point
Lifter	Set the highest edge
Head form	Sphere shape of 165 mm diameter

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