



Head Rest Impact Test (Dynamic & Static)

KES T – I 105

(EST) 1988-12-26

Contents

1. Purpose
2. Scope of Application
3. Evaluation Standard
4. Test Preparation
5. Test Condition
6. Test Method
7. Measurement Item



1. Purpose

The purpose of this standard shall be to regulate static and dynamic tests for a head rest.

[Japan : security standard, Europe : E.E.C & E.C.E, USA : F & Mvss (only head rest static)]

2. Scope of Application

This shall be applied to the entire car types equipped with a head rest.

3. Evaluation Standard

3.1 Dynamic

- (1) The deceleration velocity and elapsed time of a head form by collision should be less than 3mm/sec – 72 G.
- (2) After a test, each adjustment device such as a head rest seat slide, recline and lifter lock should function normally and there should be no damage.
- (3) After a test, there should be no protrusion of the inner material such as sharp-edge within a shock span.

3.2 Static

- (1) The movement amount of a head form from a movement line should be less than 92 mm
- (2) After the test of the clause (1), load 100kg (980 N) continuously and there should be no damage in the seat function parts such as head rest, recline and seat slide.

4. Test Preparation

- (1) Test seat and fixing jig
- (2) Loading device and dial gauge (static)
- (3) Shock tester and accelerometer (dynamic)