

Standard of Key On/Off Vibration

KES T – G317

(EST) 1989-06-30

Contents

1. Scope of Application
2. Purpose
3. Necessary equipment
4. Test method
5. Notice on testing
6. Estimating standard

Additional rules

1. Scope of application

This standard shall be applied to all the kinds of cars.

2. Purpose

The purpose of this standard shall be to define on estimating shock and vibration by torque sudden change with ENG, KEY ON and OFF.

3. Necessary equipment

- (1) Accelerometer
- (2) Charge amplifier
- (3) Cassette data recorder
- (4) Linearcorder
- (5) Hi-low pass filter
- (6) FFT analyzer
- (7) Each code and cables

4. Test method

4.1 Method to measure data

Measure the vibration in the direction of front and rear, left and right, up and down.

4.2 Measuring point and driving condition

Measure at the bottom of floor and the upper of a seat.

4.3 Method to estimate data

After setting interesting frequency band of data recorded at a recorder using FFT (Ex; in the direction of front and rear: less than 10Hz, in the direction of up and down: 30Hz), estimate the magnitude shown on linearcorder through hi-low pass filter at time domain.