

KES

Estimating Standard of Idle Mount Insulation Characteristics

KES T – G224

(EST.) 1991 – 04 – 24

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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 measure transmitted vibration of engine mount by power train at the idle state and to estimate vibration insulation of each mount.

3. Necessary equipment

- (1) Accelerometer
- (2) Pre-amplifier (Charge or voltage type)
- (3) Tape recorder
- (4) Tachometer
- (5) F.F.T analyzer
- (6) Plotter
- (7) Each code and cable

4. Test method

4.1 Preparing test

- (1) The engine should be at normal state.
- (2) The vehicle should be located on even surface to be maintained horizontally.
- (3) Installing measuring equipment (refer to fig.2)
- (4) Install a supporter at vehicle wheel.
- (5) Locate accelerometer position at the point to specify the vibration insulation of engine mount well like point close to vehicle body and point close to engine. ()