KES

Part Modal Test

KES T – G319A

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1. Scope of application

This standard shall be applied to all the kinds of car parts.

2. Purpose

The purpose of this standard shall be to estimate the physical dynamic characteristics of parts to presume the vibration mode of a car on driving.

3. Necessary equipment

1) Accelerometer

2) Charge amplifier

3) Cassette data recorder

4) Vibration exciter or impact hammer

5) Exciter control

6) Power amplifier

7) FFT analyzer

8) Modal software "Star Ver. 2.0"

9) PC 386 compatible to IBM

10) HP plotter 7475A

4. Test method

4.1 Measuring items of data

(1) Measure the acceleration, velocity, and displacement in the tri-axial or necessary direction.

4.2 Measuring point

(1) Decide the measuring point choosing the appropriate point to show interesting mode.

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