



Vehicle Gear Noise Test

KES T – G204A

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1. Scope of application

This standard shall be applied to all the kinds of passenger cars and light trucks produced by Kia motor company (called “company” below).

2. Purpose

The purpose of this standard shall be to test vehicle gear noise on driving a vehicle at each driving condition.

3. Estimating condition

The noise of each gear at each driving condition should be within target level required for interior noise.

- 1st, 2nd : Overall target value - 15dB
- 3rd, 4th, 5th : Overall target value - 20dB
- Overall target value is developing target value of all the kinds of vehicles.

4. Test condition

As gear noise depends on processing accuracy of gear (shape of gear, error of gear transmission, quality of gear) and vibration transmission system of a body (E/G Mt. and T/M Mt. Etc.), confirm if it is final specification at initial developing point.

5. Test method

5.1 Measuring equipment

- (1) F.F.T Analyzer
- (2) Test Roller

(It is defined on comparing all the kinds of specifications and specifying the cause. The final test is carried out at actual driving)

- (3) X-Y recorder
- (4) Tape recorder
- (5) Tachometer
- (6) Microphone
- (7) Resonator
- (8) Pistonphone
- (9) Negative pressure gauge
- (10) Each code