KES

SHIM Measuring Instrument Specification

KES G – B209B

(EST.) 1989 – 03 – 01
(REV.) 1987 – 06 – 01
(REV.) 1991 – 06 – 01

Contents

1. Scope of Application
2. Definition of Terms
3. Shape and Measurement
4. Structure and Principle
5. Test Method

KIA MOTORS

Full document details: KIA KES G-B209B 1991

Documents
Document Sharing Hub

1. Scope of application

Table 1. Applicable Shim gauge equipment elements

- **T/Axle**
- **F/R Axle**
- **Diff**
- **Engine**

This shall be applied to Shim gauge equipment for Shim selection of Tape roller BRG of Frt and Rr Axle among Shim gauge equipment elements.

2. Definition of terms

(1) Air Micro Meter

This is a gauge indicating in digital the spin number of Gear with air flowing in Blow copper pipe in the form of Rack Pinion.

(2) Electric Micrometer

This is a gauge indicating in digital the moving distance by conversing it into the electricity.

(3) Zero Master

This is a standard value setting the point at which indicated value and real value within the range of intended measurement are the same.

(4) Gain Master

This is a discretionary value for the guarantee of degree within the range of intended measurement.

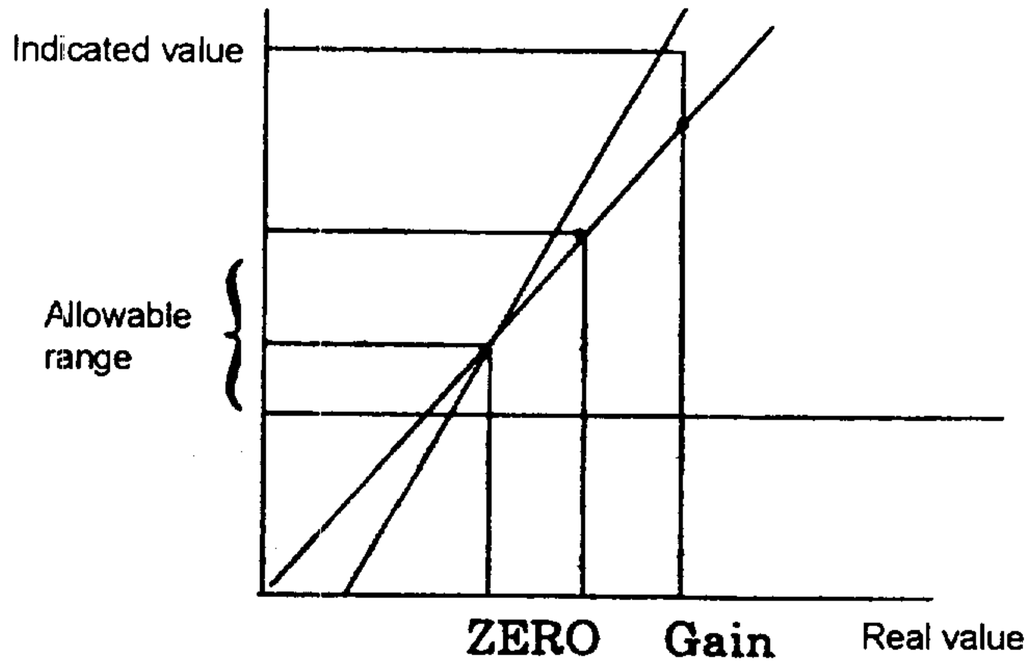

Figure 1 Zero Master, Gain Master indication drawing

Full document details: KIA KES G-B209B 1991

3. Shape and measurement

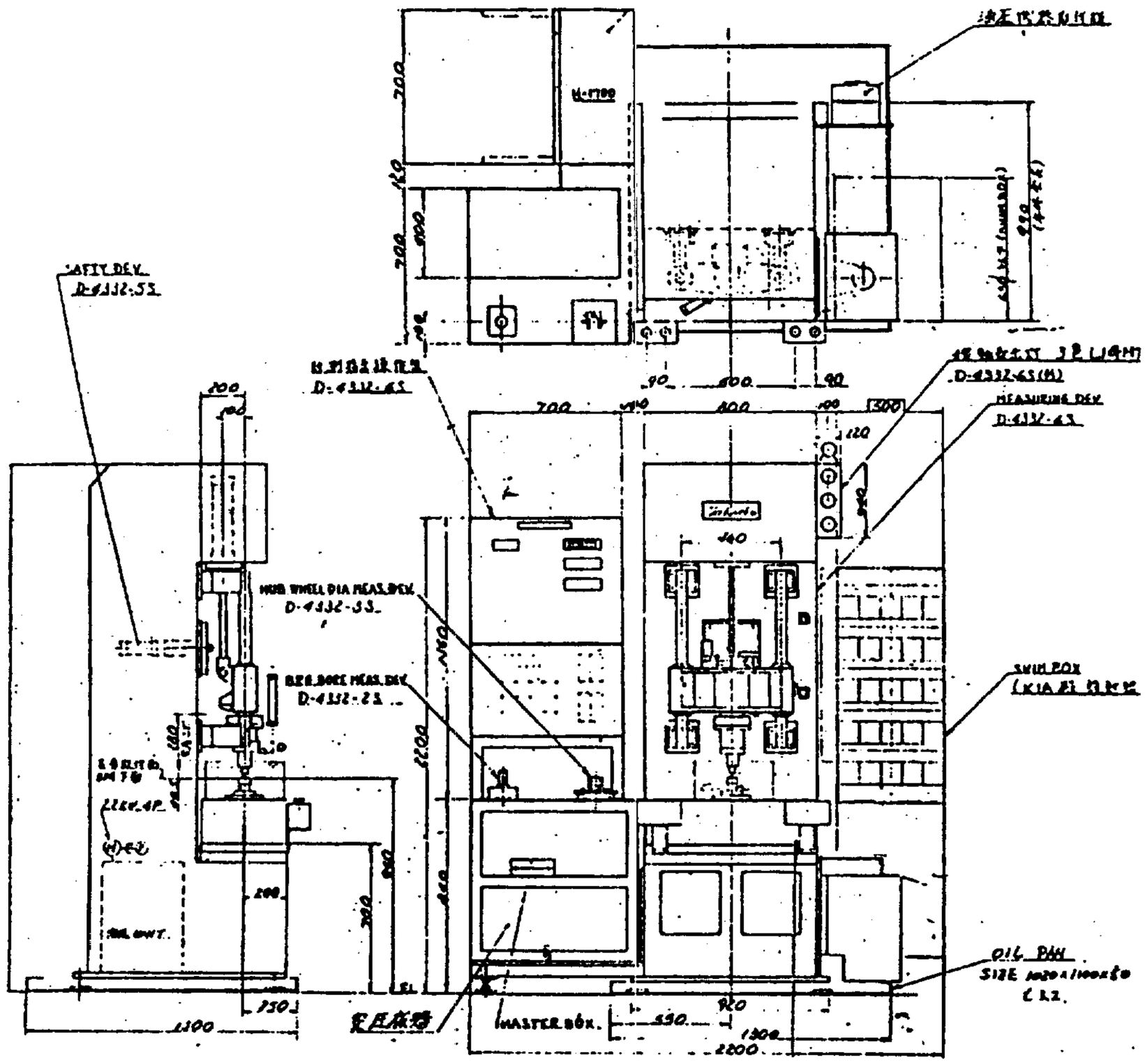

Figure 2 Shim gauge equipment

4. Structure and principle

4.1 Structure

The purpose of measuring Shim with Shim measuring instrument shall be to maintain the quality of vehicle (Fuel economy) by managing the Pre-Load of BRG constantly and this is A-Rank item importantly managed because in case of Pre-Load being larger than the standard value the secession of Axle can be caused by adhere, connection of BRG etc. and in case of Pre-Load being smaller than the standard value the secession of wheel can be caused by a gap being occurred.

Full document details: KIA KES G-B209B 1991
Documents
Document Sharing Hub