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Motor vehicles - Procedure for H-point determination

汽车 H 点确定程序

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Motor vehicles - Procedure for H-point determination

This Standard is equivalent to the International Standard ISO 6549-1980 "Road vehicles - Procedure for H-point determination".

1 Subject content and scope of application

This Standard specifies the procedure for determining the H-point position of a seat using a three-dimensional H-point machine.

This Standard applies to the design and inspection of any motor vehicles of which the vertical distance between the driver heel point and the R-point is less than 550 mm, and the torso angle is greater than 5° or of which the angle between the thigh centreline as indicated by the thigh bar and the horizontal line is greater than 5°.

2 Terms

2.1 Three-dimensional H-point machine

Device used for the determination of the H-point of a seat.

2.2 H-point

Pivot center of the torso and thigh of the three-dimensional H-point machine, which is located on the centreline of the device which is between the H-point sight buttons on either side of the H-point machine.

2.2.1 "R-point" refers to "seating reference point"

It refers to the design H-point specified by the manufacturer, which

- a. establishes the rearmost normal driving or riding position of each designated seating position as specified by the manufacturer, which accounts for all modes of adjustment (horizontal, vertical and tilt) that are available for the seat;
- b. has coordinates established with respect to the designed vehicle structure;
- c. simulates the position of the pivot centre of the human torso and thigh;
- d. is the reference point for placing a two-dimensional body model;

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