

KES

The Test of Torsional Rigidity

KES T – I 108

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Contents

1. Contents
2. Scope of Application
3. Evaluation Standard
4. Test Method



1. Purpose

The purpose of this standard shall be to measure a torsional rigidity of a complete car.

2. Scope of Application

This shall be applied to the entire car types.

3. Evaluation Standard

As compared with a target car, it should be the same level.

4. Test Method

(1) Measure a trade I of a complete car.

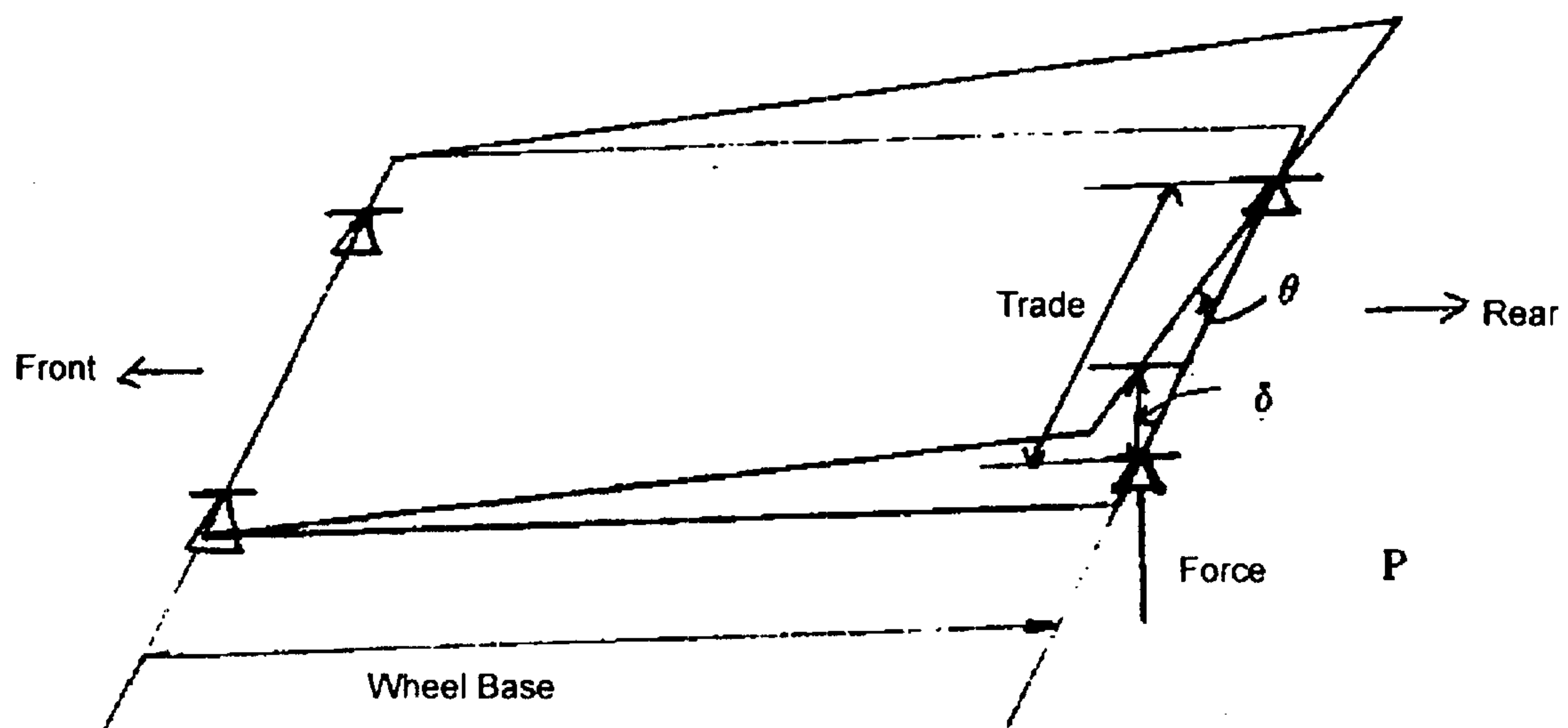


Fig.1

(2) Set a center of one side tire in rear part to be located on the load device.

(The height of center of each tire shall be the same.)

(3) Set a jig between a body and spring for suspension parts (spring and damper) not to operate (no displacement).

(4) Load a center of one side tire in rear part by the load device and acquire a load P and deflection δ when the other tire departs from the ground.