



MALAYSIAN STANDARD

MS 1944: PART 2:2007

PASSENGER CARS - TEST TRACK FOR A SEVERE LANE - CHANGE MANOEUVRE - PART 2: OBSTACLE AVOIDANCE (ISO 3888-2:2002, MOD)

ICS: 43.040.50

Descriptors: passenger cars, test track, obstacle avoidance, vehicle dynamics, test method

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Committee representation

The Road Vehicles Industry Standards Committee (ISC L) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Automobile Association of Malaysia
Department of Environment Malaysia
Department of Standards Malaysia
Jabatan Pengangkutan Jalan
Malaysian Automotive Association
Ministry of International Trade and Industry
Motosikal dan Enjin Nasional Sdn Bhd
Motorcycle and Scooter Assemblers and Distributor Association of Malaysia (MASAAM)
Perodua Manufacturing Sdn Bhd
Perusahaan Otomobil Nasional Berhad
Polis DiRaja Malaysia
Proton Vendor Association
Universiti Putra Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Braking, Suspension Systems and Mechanical Support which supervised the development of this Malaysian Standard consists of representatives from the following organisations:

EP Manufacturing Berhad
FMP Automotive (M) Sdn Bhd
Jabatan Pengangkutan Jalan
Malaysian Automotive Association
Mintye Industries Berhad
Perodua Manufacturing Sdn Bhd
Perusahaan Otomobil Nasional Berhad
Polis DiRaja Malaysia
Qualibrakes Industries Sdn Bhd
Sapura Motor Berhad
SIRIM Berhad (Advanced Materials Research Centre)
SIRIM Berhad (Secretariat)
SIRIM QAS International (Mechanical Product Testing Section)
SIRIM QAS International (Product Certification Section)
Universiti Teknologi Malaysia

The Working Group on Suspension System which developed this Malaysian Standard consists of representatives from the following organisations:

APM Shock Absorbers Sdn Bhd
Armstrong Auto Parts Sdn Bhd
KYB-UMW Malaysia Sdn Bhd
Malaysian Automotive Association
Perodua Manufacturing Sdn Bhd
Perusahaan Otomobil Nasional Berhad
Sapura Automotive Industries Sdn bhd
SIRIM Berhad (Secretariat)
SIRIM QAS International (Mechanical Product Testing Section)

FOREWORD

This Malaysian Standard was developed by the Working Group on Suspension System under the authority of the Road Vehicles Industry Standards Committee.

This standard corresponds to ISO 3888-2:2002, *Passenger cars — Test track for a severe lane-change manoeuvre — Part 2: Obstacle avoidance*, published by the International Organization for Standardization (ISO) with the following modifications:

- a) in the source text, “this International Standard” should “this Malaysian Standard”;
- b) the comma which is used as a decimal sign (if any) , to read as a point;
- c) a new third part of this series of standard on “Vehicle preparation prior to testing” has been established;

d) Clause/Subclause	Modifications
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|----------------------|--------------------------------------|
| i) 3.1 Vehicle width | Replace “rear” with “external side”; |
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Explanation: The modification is issued to reflect the normal term used by local manufacturers.

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|--------------------------|---|
| ii) 0 Introduction | <p>Delete the second paragraph;</p> <p>Replace the last sentence with “Therefore, it is possible to use this standard and test results as a guide only for regulation purposes.”;</p> |
| iii) Annex A Test Method | Replace “informative” with “normative”; |
| iv) A2 Test procedure | <p>Replace “Example of tests” with “Test procedure”;</p> <p>Add “The vehicle has to undergo some checkpoints prior to testing as defined in part 3 of this series of standard”.</p> |

Explanation: The amendments have been made because the standard is to provide a guideline for the national regulation purposes.

MS 1944 consists of the following parts, under the general title *Passenger cars — Test track for a severe lane change manoeuvre*:

- Part 1: *Double lane-change*
- Part 2: *Obstacle avoidance*
- Part 3: *Vehicle preparation prior to testing*

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.