



# MALAYSIAN STANDARD

MS 2729:2023

**Used private motor vehicle – Roadworthiness –  
Requirements for inspection**

**ICS: 43.020, 43.040**

Descriptors: used private motor vehicle, inspection, requirements, roadworthiness

**© Copyright 2023**

**DEPARTMENT OF STANDARDS MALAYSIA**

## DEVELOPMENT OF MALAYSIAN STANDARDS

The **Department of Standards Malaysia** is the national standards and accreditation body of Malaysia.

The main function of Department of Standards Malaysia is to foster and promote standards, standardisation and accreditation as a means of advancing the national economy, promoting industrial efficiency and development, benefiting the health and safety of the public, protecting consumers, facilitating domestic and international trade and furthering international cooperation in relation to standards and standardisation. The use of Malaysian Standards is voluntary except in so far as they are made mandatory by regulatory authorities by means of regulations, local by-laws or any other similar ways.

Malaysian Standards are developed through consensus by committees which comprise balanced representation of producers, users, consumers and others with relevant interests, as may be appropriate to the subject at hand. The development of a standard as a Malaysian Standard is governed by the Standards of Malaysia Act 1996 [Act 549]. Section 18A of the act stipulated that, all Malaysian Standards are owned by the Government of Malaysia and no part of a Malaysian Standard can be reproduced in any form without the written permission of the Director General.

For further information on Malaysian Standards, please contact:

**Department of Standards Malaysia**  
Level 4 - 7, Tower 2, Menara Cyber Axis  
Jalan Impact, Cyber 6  
63000 Cyberjaya  
Selangor Darul Ehsan  
MALAYSIA

Tel: 60 3 8008 2900  
Fax: 60 3 8008 2901  
<http://www.jsm.gov.my>  
E-mail: [central@jsm.gov.my](mailto:central@jsm.gov.my)

## Contents

	<b>Page</b>
Committee representation .....	ii
Foreword.....	iv
Introduction .....	v
1 Scope.....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Code of ethics requirements.....	3
5 Organisation and management .....	3
6 Facilities and equipment.....	5
7 Process requirements.....	5
Bibliography .....	36

## Annexes

	<b>Page</b>
Annex A Information on used private motor vehicle .....	10
Annex B Compulsory/pre-requisite inspection (L, M <sub>1</sub> and N <sub>1</sub> category) .....	12
Annex C Above carriage inspection (M <sub>1</sub> and N <sub>1</sub> category).....	13
Annex D Undercarriage inspection (M <sub>1</sub> and N <sub>1</sub> category) .....	16
Annex E Interior inspection (M <sub>1</sub> and N <sub>1</sub> category) .....	20
Annex F Inspection with on-board diagnostic (M <sub>1</sub> and N <sub>1</sub> category) .....	23
Annex G Inspection with equipment (M <sub>1</sub> and N <sub>1</sub> category) .....	24
Annex H Body inspection (L category) .....	25
Annex J Engine inspection (L category) .....	28
Annex K Electrical inspection (L category) .....	30
Annex L Electric motor inspection (L category) .....	31
Annex M Inspection with on-board diagnostic (L category – 150 cc and above) .....	32
Annex N Inspection with equipment (L category) .....	33
Annex P Example of used private motor vehicle roadworthiness inspection report .....	34

## **Committee representation**

The National Standards Committee on Transport (NSC 12) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Agensi Pengangkutan Awam Darat  
Department of Environment  
Department of Standards Malaysia (Secretariat)  
Jabatan Laut Malaysia  
Jabatan Pengangkutan Jalan Malaysia  
Malaysia Automotive Components Parts Manufacturers Association  
Malaysia Automotive, Robotics and IoT Institute  
Malaysian Automotive Association  
Malaysian Institute of Road Safety Research  
Malaysia Investment Development Authority  
Ministry of Domestic Trade and Cost of Living  
Ministry of Investment, Trade and Industry  
Ministry of Transport  
Motorcycle and Scooter Assemblers and Distributors Association of Malaysia  
Perodua Manufacturing Sdn Bhd  
Perusahaan Otomobil Nasional Sdn Bhd  
Pertubuhan Keselamatan Sosial  
Polis Diraja Malaysia  
Puspakom Sdn Bhd  
SIRIM QAS International Sdn Bhd  
The Chartered Institute of Logistics and Transport  
Universiti Putra Malaysia  
Universiti Teknologi Malaysia

The Technical Committee on Safety and Impact Testing (NSC 12/ TC 1) which supervised the development of this Malaysian Standard consists of representatives from the following organisations:

Angkatan Tentera Malaysia  
Autoliv Hirotako Safety Sdn Bhd  
Department of Standards Malaysia (Secretariat)  
Federation of Malaysian Manufacturers  
Jabatan Pengangkutan Jalan Malaysia  
Malaysia Automotive, Robotics and IoT Institute  
Malaysian Automotive Association  
Malaysian Institute of Road Safety Research  
Ministry of Domestic Trade and Cost of Living  
National Metrology Institute of Malaysia  
Perodua Manufacturing Sdn Bhd  
Perusahaan Otomobil Nasional Sdn Bhd  
Polis Diraja Malaysia  
Puspakom Sdn Bhd  
QAV Technologies Sdn Bhd  
SIRIM QAS International Sdn Bhd  
Universiti Putra Malaysia

The Working Group on Vehicle Inspection (NSC 12/ TC 1/ WG 9) which developed this Malaysian Standard consists of representatives from the following organisations:

Automotive Accessories Traders Association of Malaysia  
AucNation Synergy Sdn Bhd  
Department of Environment  
Department of Standards Malaysia (Secretariat)  
EZAuto Inspection Sdn Bhd  
Jabatan Pengangkutan Jalan Malaysia  
Malaysia Automotive, Robotics and IoT Institute  
Malaysian Automotive Association  
Malaysian Institute of Road Safety Research

**Committee representation** *(continued)*

Ministry of Domestic Trade and Cost of Living  
Ministry of Local Government Development  
Motorcycle and Scooter Assemblers and Distributors Association of Malaysia  
Perodua Sales Sdn Bhd  
Port Klang Authority  
Proton Edar Sdn Bhd  
Puspakom Sdn Bhd  
Royal Malaysian Customs Department

**Co-opted member:**

Carsome Sdn Bhd

## **MS 2729:2023**

### **Foreword**

This Malaysian Standard was developed by the Working Group on Vehicle Inspection (NSC 12/ TC 1/ WG 9) which was supervised by the Technical Committee on Safety and Impact Testing (NSC 12/ TC 1) under the authority of the National Standards Committee on Transport (NSC 12).

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