

Domain**AUTOMOTIVE MECHATRONICS****Title:****Demonstrate knowledge of motor vehicle
care****Level: 2****Credits: 5****Purpose**

This unit standard is intended for those who demonstrate knowledge of motor vehicle care. People credited with this unit standard are able to describe general motor vehicle inspection and checks, describe external vehicle body care; describe internal vehicle care; and describe different type of cleaning detergents and materials.

This unit standard is intended for those who work in automotive mechatronics environment.

Special Notes**1. Entry information**

Prerequisite

- *none*

2. This unit standard is to be assessed in the context of automotive mechatronics and should be assessed in conjunction with other relevant technical unit standards selected from this domain.**3. Assessment evidence may be collected at a real workplace or simulated workplace in which safety operations are carried out.****4. Glossary of terms:**

- '*Specifications*' refers to any, or all the following: manufacturers' specifications and recommendations, workplace specific requirements, national and international standards and legislations
- '*ISO*' refers to International Organization for Standards

5. Performance of all elements in this unit standard must comply with industry standards and workplace requirements.**6. Regulations and legislation relevant to this unit standard include the following:**

- Labour Act No. 11 of 2007
- Regulations relating to the health and safety of employees at work under Schedule 1 (2) of the Labour Act No.11 of 2007
- ISO 14001 (Environmental Management Standard) and all subsequent amendments to any of the above.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the

Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority on www.namqa.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Describe general motor vehicle inspection and checks

Range

Motor vehicle inspection includes and is not limited to checking for wear and tear on tyres, windshield wiper blades, leaks of lubricants, fluids and coolant. Motor vehicle checks includes and is not limited to dashboard warning lights, operation of headlamps, brake lights, park lights, indicator lights, tyre pressure; levels of coolant, wiper washer, engine oil, brake fluid and transmission fluid.

Performance Criteria

- 1.1 Different types of lubricants and fluids used in a motor vehicle are identified.
- 1.2 Importance of maintaining lubricant and fluid levels are explained.
- 1.3 Importance of maintaining tyre pressure is explained.

Element 2: Describe external vehicle body care

Performance Criteria

- 2.1 Methods of cleaning vehicle body are explained.
- 2.2 Tools and materials for cleaning vehicle body are identified.
- 2.3 Dangers arising from external vehicle body cleaning materials are identified and explained.
- 2.4 External vehicle body cleaning tools and materials are stored in designated places according to workplace procedures.

Element 3: Describe internal vehicle care

Performance Criteria

- 3.1 Methods of cleaning vehicle interior are explained.
- 3.2 Tools and materials for cleaning vehicle interior are identified and listed.
- 3.3 Dangers arising from internal vehicle body cleaning materials are identified and explained.
- 3.4 Internal vehicle body cleaning tools and materials are stored in designated places according to workplace procedures.

Element 4: Describe different types of cleaning detergents and materials

Performance Criteria

- 4.1 Different types of cleaning detergents and materials used in a motor vehicle care are identified.
- 4.2 Dangers arising from different cleaning detergents are described.
- 4.3 Different types of cleaning detergents and materials used in a motor vehicle care are stored according to workplace procedures.

Registration Data

Subfield:	Automotive Engineering
Date first registered:	22 April 2020
Date this version registered:	22 April 2020
Anticipated review:	2025
Body responsible for review:	Namibia Training Authority