

**Unit ID: 1994**

**Domain**

**VEHICLE COLLISION REPAIR**

**Title:**

**Repair minor dents on vehicle body**

**Level: 3**

**Credits: 10**

### **Purpose**

This unit standard specifies the competencies required to repair minor dents on vehicle body. People credited with this unit standard are able to plan and prepare for work, describe methods of repairing minor dents on vehicle body, conduct repairs on minor dents on vehicle body.

This unit standard is intended for those who work as vehicle collision repairers.

### **Special Notes**

1. Entry information:

Prerequisite

- *None*

2. Assessment evidence may be collected from a real workplace, a simulated workplace or an appropriate simulated environment in which vehicle collision repair operations are carried out.

3. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' and company guidelines.

4. Performance of all elements in this unit standard must comply with workplace requirements or manufacturers' specifications.

5. Regulations and legislation relevant to this unit standard include the following:

- Labour Act 2007(Act no 11, 2007)
- Regulations relating to the health & Safety of employees at work under Schedule 1 (2) of the Labour Act No.11 of 2007 and all subsequent amendments
- Road Traffic Amendment Act, No. 4 of 1999.
- The Road Traffic and Transport Regulations, No. 53 of 2001 and all subsequent amendments

### **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 and the Namibia Training Authority on [www.nta.com.na](http://www.nta.com.na)

## **Elements and Performance Criteria**

### **Element 1: Plan and prepare for work**

#### **Range**

Planning and preparation may include but not limited to workplace inspection, equipment defect identification, assessment of conditions and hazards and determination of work requirements.

Tools and equipment may include but are not limited to standard tool set and torque wrench.

Materials may include but are not limited to bolts, nuts, studs, screws, rivets, washers and lock washers, pins, circlips (snap rings) and keys.

#### **Performance Criteria**

- 1.1 Work instructions, including repair order forms, specifications and operational details are obtained, confirmed and applied.
- 1.2 Safety requirements are followed in accordance with safety plans and policies.
- 1.3 Tools and equipment selected to repair minor dents on vehicle body which are consistent with the requirements of the job, checked for serviceability and any faults rectified or reported prior to commencement.
- 1.4 Material requirements are identified and obtained in accordance with repair order form and/or specifications.
- 1.5 Materials are safely handled and located, ready for use.
- 1.6 Environmental protection requirements are identified and applied in line with environmental plans and legislative requirements.

### **Element 2: Describe methods of repairing minor dents on vehicle body**

#### **Range**

Mechanical fastening methods are to include but are not limited to bolting, screwing and riveting.

Repairing dents may include and is not limited to straightening, forming and bending metals and plastic.

#### **Performance Criteria**

- 2.1 Different types of dents are identified and listed.
- 2.2 Tools used for removing dents are identified and listed.
- 2.3 Processes and procedures for removing dents are explained

### **Element 3: Conduct repairs on minor dents on vehicle body**

#### **Range**

Mechanical fastening methods are to include but are not limited to: bolting, screwing and riveting.

Repairing dents may include and is not limited to straightening, forming and bending metals and plastic.

#### **Performance Criteria**

- 3.1 Weld requirements are determined in accordance with job specifications.
- 3.2 Material is cleaned and prepared using appropriate tools and techniques in accordance with standard operating procedures.
- 3.3 Materials are joined according to workplace procedures.
- 3.4 Work pieces are repaired according to workplace procedures.
- 3.5 Fastening method is identified and selected for a given application.
- 3.6 Metals and plastic materials are flattened, bent, and formed according workplace procedures.
- 3.7 Manufacturer specified torque is applied when using bolts, nuts and washers

#### **Registration Data**

<b>Subfield:</b>	Automotive Engineering
<b>Date first registered:</b>	14 March 2019
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<b>Body responsible for review:</b>	Namibia Training Authority