

**Domain**  
**Title:**  
**Level: 4**

**VEHICLE COLLISION REPAIR**  
**Align vehicle body parts**

**Unit ID: 2005**

**Credits: 8**

**Purpose**

This unit standard specifies the competencies required to align vehicle body parts. People credited with this unit standard are able to plan and prepare for work, describe the process of alignment of vehicle body parts, perform body parts alignment, maintain tools and equipment used for aligning vehicle body parts

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.

2. Glossary of terms:

- '*Measurement*' means to ascertain the dimensions, quantity or capacity of an object using a measuring device.

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

4. 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

**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](http://www.namqa.org) 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 is not limited to workplace inspection, equipment defect identification, assessment of conditions and hazards and determination of work requirements.

### **Performance Criteria**

- 1.1. An understanding of work instructions, including plans, specifications, quality requirements and operational processes is demonstrated.
- 1.2. Details are estimated, measured, confirmed and applied.
- 1.3. Safety requirements are followed in line with workplace safety plans and policies.
- 1.4. Tools and equipment are selected to carry out tasks which are consistent with industry standards.
- 1.5. Requirements of the job are checked for serviceability and any faults are rectified or reported.

### **Element 2: Describe the process of alignment of vehicle body parts**

#### **Performance Criteria**

- 2.1. Different motor vehicle parts are identified.
- 2.2. Functions of each motor vehicle body part are explained.
- 2.3. Vehicle manufacturers' drawings are interpreted.

### **Element 3: Perform body parts alignment**

#### **Range**

Vehicle body parts include and are not limited to doors, bonnet, fenders, boot, bumpers and fuel caps.

#### **Performance Criteria**

- 3.1. Different motor vehicle body parts are assembled according to vehicle manufacturers' specifications.
- 3.2. Vehicle body parts are installed according to workplace procedures.
- 3.3. Measurements are confirmed and recorded
- 3.4. Vehicle body parts are checked for alignment according to workplace procedures..
- 3.5. Correct use of electrical tools is demonstrated according to workplace procedures.

### **Element 4: Maintain tools and equipment used for aligning vehicle body parts**

#### **Performance Criteria**

- 4.1 Electrical tools are cleaned and stored in designated storage places.
- 4.2 Mechanical tools are lubricated with manufacturer's recommended lubricants.
- 4.3 Mechanical tools are cleaned and stored in designated storage places.

### **Registration Data**

<b>Subfield:</b>	Automotive Engineering
<b>Date first registered:</b>	14 March 2019
<b>Date this version registered:</b>	14 March 2019
<b>Anticipated review:</b>	2024
<b>Body responsible for review:</b>	Namibia Training Authority