

**Specification of Competency Standards**  
**for the Automotive Industry**  
**Unit of Competency**

Functional Area - Vehicle Servicing

Title	Overhaul motorcycle mechanical units
Code	108682L2
Range	This unit of competency is applicable in motorcycle servicing workshops. Practitioners should be able to overhaul motorcycle mechanical units safely according to the instructions in the motorcycle manufacturer's service manual. They should also be capable of conducting safety inspection upon completion of work and providing written report.
Level	2
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Structure of motorcycle mechanical units and the overhaul work)</p> <ul style="list-style-type: none"> <li>• Understand the structure of motorcycle mechanical units, such as: <ul style="list-style-type: none"> <li>○ Engine</li> <li>○ Transmission and drive systems</li> <li>○ Steering systems</li> <li>○ Suspension systems</li> <li>○ Chassis assemblies.</li> </ul> </li> <li>• Know the overhaul work including: <ul style="list-style-type: none"> <li>○ Dismantling</li> <li>○ Assessment</li> <li>○ Repair</li> <li>○ Replacement</li> <li>○ Adjustment of internal components</li> <li>○ Re-assembly</li> <li>○ Functional testing.</li> </ul> </li> <li>• Understand the overhaul procedures and specification of motorcycle mechanical units with reference to the instructions in the motorcycle manufacturer's service manual.</li> <li>• Understand the relevant legal requirements on road &amp; vehicle safety and environment protection.</li> </ul> <p>2. Performance (Overhaul motorcycle mechanical units)</p> <ul style="list-style-type: none"> <li>• According to the instructions in the motorcycle manufacturer's service manual and the requirements of occupational safety and health as well as that of environmental protection, safely overhaul motorcycle mechanical units, including: <ul style="list-style-type: none"> <li>○ identifying the general problems in motorcycle mechanical units by visual inspection</li> <li>○ Functional test and assessment of the effectiveness of all components</li> <li>○ Elimination of typical faults and safety failures.</li> </ul> </li> <li>• Conduct performance test and safety inspection after the work and provide written report, emphasizing on: <ul style="list-style-type: none"> <li>○ Abnormalities</li> <li>○ Measuring data</li> <li>○ Major decision</li> </ul> </li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are that the practitioner being assessed shall prove that he/she is:</p> <ul style="list-style-type: none"> <li>• Capable of overhauling motorcycle mechanical units safely according to the instructions in the motorcycle manufacturer's service manual and relevant legal requirements; and</li> </ul>

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	<ul style="list-style-type: none"><li>• Capable of conducting safety inspection of all components upon completion of work and providing written report.</li></ul>
Remark	<p>The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed knowledge of motorcycle mechanical units.</p> <p>The major legislation/rule involved in this unit of competency is as follows:</p> <ul style="list-style-type: none"><li>• Road Traffic (Construction and Maintenance of vehicles) Regulations</li></ul>