

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

Functional Area - Vehicle Servicing

Title	Inspect, repair and replace motorcycle tyres
Code	108681L2
Range	This unit of competency is applicable in motorcycle servicing workshops. Practitioners should be able to inspect, repair and replace motorcycle tyres safely according to the instructions in the motorcycle manufacturer's servicing manual and the relevant requirements on environment, occupational safety and health regulations. They should also be able to conduct safety inspection upon completion of work and providing written report.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Structure of motorcycle tyres and the tools and equipment for the repair and replace)</p> <ul style="list-style-type: none"> <li>• Understand the structure of motorcycle tyres, such as: <ul style="list-style-type: none"> <li>○ Tube tyre</li> <li>○ Tubeless tyre</li> </ul> </li> <li>• Know the tools and equipment for the repair and replace of motorcycle tyres, such as: <ul style="list-style-type: none"> <li>○ Lifting and supporting equipment</li> <li>○ Tyre removal and refitting tools and equipment</li> <li>○ Tread depth measuring equipment</li> <li>○ Inflation equipment</li> <li>○ Balancing equipment</li> <li>○ Tyre repair tools</li> </ul> </li> <li>• With reference to the instructions in the motorcycle manufacturer's servicing manual, understand the inspection, repair and replace motorcycle tyres procedures and regulations.</li> <li>• Understand the relevant legal requirements on road and vehicle safety and environment protection.</li> <li>• Understand the relevant legal requirements on road and vehicle safety and environment protection.</li> </ul> <p>2. Performance (Inspect, repair and replace motorcycle tyres)</p> <ul style="list-style-type: none"> <li>• According to the instructions in the motorcycle manufacturer's servicing manual and the requirements of occupational safety and health as well as that of environmental protection, safely repair and replace motorcycle tyres, including: <ul style="list-style-type: none"> <li>○ Capable of identifying the general problems in motorcycle tyres, such as: wheel rim, tyre valve and inner tube by visual inspection</li> <li>○ Accurate measurement of tread depth</li> <li>○ Inspection of tyre pressures</li> <li>○ Use of removal and refitting, balancing equipment and repairing tools to repair and replace of motorcycle tyres in safety procedure</li> <li>○ Eliminate typical safety faults.</li> </ul> </li> <li>• Conduct performance and safety inspection after the work and provide written report focusing on: <ul style="list-style-type: none"> <li>○ Abnormalities</li> <li>○ Measured data</li> <li>○ Major decisions</li> </ul> </li> </ul>

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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 inspecting, repairing and replacing motorcycle tyres safely according to the instructions in the motorcycle manufacturer's servicing manual and the relevant requirements on environment, occupational safety and health regulations; and</li><li>• Capable of conducting safety inspection of tyres 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 tyre technology.</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><li>• Dangerous Goods Ordinance</li></ul>