

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

Functional Area - Vehicle Servicing

Title	Check and repair engines
Code	108647L2
Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be able to check and repair vehicle engines safely according to the instructions in the vehicle manufacturer's servicing manual. They should also be able to conduct basic tests on components upon completion of work and providing written report
Level	2
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Structure and basic operating principles of vehicle engines)</p> <ul style="list-style-type: none"> <li>• Understand the structure and basic operating principles of vehicle engines.</li> <li>• Understand the working procedure for checking and repairing of engines.</li> <li>• Understanding of the relevant legal requirements on road and vehicle safety and environment protection.</li> </ul> <p>2. Performance (Check and repair vehicle engines)</p> <ul style="list-style-type: none"> <li>• Check and repair vehicle engines safely according to the instructions in the vehicle manufacturer's servicing manual and the requirements of occupational safety and health as well as environmental protection, including: <ul style="list-style-type: none"> <li>○ Capable of identifying the general problems of the engines by visual inspection</li> <li>○ Measure the engine components accurately according to the instructions in the vehicle manufacturer's servicing manual and report the wear and tear condition of engine components</li> <li>○ Check and repair vehicle engines, including dismantle, replace and re-assemble the engines</li> <li>○ Eliminate typical system failure</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>
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 checking and repair vehicle engines safely according to the instructions in the vehicle manufacturer's servicing manual; and providing written report;</li> <li>• Capable of measuring the engine components accurately and assessing the wear and tear condition.</li> </ul>
Remark	The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed basic knowledge of vehicle mechanical servicing and the capability to use precision measuring tools for vehicle servicing.