

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

Functional Area - Vehicle Servicing

Title	Check and repair various types of fuel supply systems
Code	108648L2
Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be able to check and repair various types of fuel supply systems according to the instructions in the vehicle manufacturer's servicing manual and the relevant requirements on occupational safety and health, environment and gas safety. They should also be able to conduct basic tests on components upon completion of work.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Structure and basic operating principles of various types of fuel supply systems)</p> <ul style="list-style-type: none"> <li>• Understand the characteristics of various types of fuel, such as: <ul style="list-style-type: none"> <li>○ Petrol</li> <li>○ Liquefied Gas</li> <li>○ Diesel</li> </ul> </li> <li>• Understand the structure and basic operating principles of various types of fuel supply systems.</li> <li>• Understand the working procedure of checking and repairing various types of fuel supply systems.</li> <li>• Understand the impact of fuel supply systems on exhaust emission.</li> <li>• Understanding of the relevant legal requirements on road and vehicle safety, gas safety and environment protection.</li> </ul> <p>2. Performance (Check and repair various types of fuel supply systems)</p> <ul style="list-style-type: none"> <li>• According to the instructions in the vehicle manufacturer's servicing manual, the Road Traffic Ordinances of Hong Kong and the relevant requirements on occupational safety and health, gas safety as well as environmental protection, safely check, repair and replace various types of fuel supply systems, including: <ul style="list-style-type: none"> <li>○ Capable of identifying the general problems of various types of fuel supply systems by visual inspection.</li> <li>○ Operate special testing devices to test various types of fuel supply systems</li> <li>○ Check and repair various types of fuel supply systems, including dismantle, replace and re-assemble vehicle system components</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 requirement of this unit of competency is that the practitioner being assessed shall prove that he/she is:</p> <ul style="list-style-type: none"> <li>• Capable of checking and repair various types of fuel supply systems for general vehicles and operating special testing devices to conduct tests on basic components and systems, according to the instructions in the vehicle manufacturer's servicing manual and the relevant requirements on occupational safety and health, environment and gas safety.</li> <li>• Capable of performing safety inspection and providing written report</li> </ul>

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Remark	<p>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 know how to handle various types of fuel.</p> <p>The major legislations/rules involved in this unit of competency are as follows:</p> <ul style="list-style-type: none"><li>• Waste Disposal Ordinance</li><li>• Dangerous Goods Ordinance</li></ul>
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