

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

Functional Area - Vehicle Servicing

Title	Use specialised instruments and equipment for vehicle inspection
Code	108670L2
Range	This unit of competency is applicable in vehicle servicing workshops or vehicle inspection places. Practitioners should be able to use special instruments and equipment for vehicle inspection to check and repair various vehicle systems and components according to the relevant legislative provisions under the Road Traffic Ordinance of Hong Kong, the instructions in vehicle manufacturer's servicing manual or the user guide provided by the manufacturer of special instruments and equipment for vehicle inspection.
Level	2
Credit	6 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Special instruments and equipment for vehicle inspection)</p> <ul style="list-style-type: none"> <li>• Understand the structure, use and basic operating principles of specialised instruments and equipment for vehicle inspection.</li> <li>• Understand the legislative provisions under the Road Traffic Ordinance of Hong Kong in relation to vehicle inspection.</li> <li>• Understand the instructions in vehicle manufacturer's servicing manual or the user guide provided by the manufacturer of specialised instruments and equipment for vehicle inspection.</li> <li>• Understanding of the relevant legal requirements on road and vehicle safety and environment protection.</li> </ul> <p>2. Performance (Use specialized instruments and equipment for vehicle inspection)</p> <ul style="list-style-type: none"> <li>• According to the instructions in vehicle manufacturer's servicing manual or the user guide provided by the manufacturer of specialised instruments and equipment for vehicle inspection, the requirements of occupational safety and health as well as that of environmental protection, safely use specialised instruments and equipment for vehicle inspection to check various vehicle systems and components, such as: <ul style="list-style-type: none"> <li>○ Specialised instruments and equipment for various types of engine and mechanical components</li> <li>○ Specialised instruments and equipment for various types of fuel supply systems</li> <li>○ Specialised instruments and equipment for various types of engine management systems</li> <li>○ Specialised instruments and equipment for various types of vehicle braking systems</li> <li>○ Specialised instruments and equipment for vehicle steering systems</li> <li>○ Specialised instruments and equipment for vehicle suspension systems</li> <li>○ Specialised instruments and equipment for vehicle transmission systems</li> <li>○ Specialised instruments and equipment for electric systems</li> <li>○ Specialised instruments and equipment for other related systems</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 using testing instruments /equipment for vehicle inspection correctly to check various vehicle systems and components according to the instructions in vehicle manufacturer's servicing manual or the user guide provided by the manufacturer of special instruments /equipment for vehicle inspection.</li> </ul>

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Remark	The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed the basic knowledge of vehicle mechanic servicing.
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