Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Servicing

Title	Maintain various vehicle servicing tools and equipment
Code	111718L3
Range	This unit of competency is applicable in vehicle service workshops. Practitioners should be able to maintain vehicle servicing tools and equipment to keep them in good condition according to the instructions of various vehicle servicing tool and equipment manufacturers masterfully. They should also arrange regular inspection and rectification required for the tools and equipment that are governed by regulations.
Level	3
Credit	3 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (Purposes and operating principles of vehicle servicing tools and equipment) • Identify the purposes and applications of vehicle servicing tools and equipment, including electrically insulated types. • Master the instructions in the manufacturer's user guide for the vehicle servicing tools and equipment, including the operation, safety awareness and relevant governing regulations, the electrically insulated tools, lifting appliances and power tools, for instance. • Explain the operating principles of special vehicle servicing tools and equipment. 2. Performance (Maintenance of various categories of tools and equipment) • Implement the scheduled maintenance plan for special vehicle servicing tools and equipment according to the vehicle servicing tools and equipment manufacturer's user guide. • Arrange a routine schedule of the validity evaluation, maintenance, test and calibration for the tools and equipment, including but not limited to roller brake testers, chassis dynamometer, exhaust emission analyser (for spark-ignition engine), opacimeter (for compression ignition engine), wheel aligner, torque wrenches, lifting appliances, axle stand, insulation tester, gas leakage detector and warning system, oscilloscope, electrical circuit tester, OBD tester, cell balancer, insulated electrical service hand tools, and insulation gears. • Conduct an initial diagnosis and issue a suspension notice for the expired or malfunctioning tools and equipment. • Arrange the repair and maintenance of vehicle servicing tools and equipment. • Keep an updated record on the maintenance and repair of vehicle servicing tools and equipment. • Keep and/or display the documents concerning the regular tests/calibration of vehicle servicing tools and equipment.
Assessment Criteria	The integrated outcome requirements of this unit of competency are that the practitioner being assessed shall prove that he/she is: • Capable of implementing the scheduled maintenance of vehicle servicing tools and equipment according to the instructions of various vehicle servicing tool and equipment manufacturers; • Capable of conducting validity evaluation and initial diagnosis of faults for the vehicle servicing tools and equipment, and issuing suspension notice where necessary;

	• Capable of arranging a routine inspection schedule for the tests and calibration of the vehicle servicing tools and equipment that are recommended by manufacturers or governed by regulations, and keeping/displaying documents concerned; and • Capable of recording, keeping and updating the maintenance and repair record of the vehicle servicing tools and equipment accurately.
Remark	The credit value of this unit of competency is set on the presumption that the practitioner concerned already possesses comprehensive knowledge of the tools and equipment for vehicle servicing and inspection The major legislation/rules involved in this unit of competency are as follows: • Factories and Industrial Undertakings • Occupational Safety and Health • Environmental protection (This UoC replaced 108702L3)