Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Servicing

Title	Carry out Routine Vehicle Maintenance
Code	111685L2
Range	This unit of competency is applicable in vehicle service workshops. Practitioners should be able to carry out routine vehicle maintenance work safely according to the instructions in the vehicle manufacturer's service manual and the relevant requirements on environmental protection, occupational safety and health regulations. They should also be able to conduct performance and safety tests on systems according to the manufacturer's specification and provide a simple report upon completion of work.
Level	2
Credit	3 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (Procedure to carry out routine vehicle maintenance work) • In accordance with the respective vehicle manufacturer's service manual, understand the procedures to carry out routine vehicle maintenance work, such as "Quick Service", "Standard Service", etc. • Familiar with the use of tools and equipment to carry out routine vehicle maintenance work. • Understand the relevant legal requirements on road and vehicle safety and environmental protection.

	2. Performance (Carry out routine vehicle maintenance work) • In accordance with the respective vehicle manufacturer's service manual, Hong Kong Road Traffic Ordinance, requirements of occupational safety and health, and environmental protection, carry out the routine maintenance work, such as functionality checking and consumable materials replacement, including: ◦ Engine unit and sub-systems ◦ Liquid and liquefied gaseous fuel supply and metering systems (for light vehicles only) ◦ Diesel and pressurised gaseous fuel supply and metering systems (for commercial vehicles only) ◦ Engine management system ◦ Hydraulic brake systems and retardation units (for light vehicles only) ◦ Pneumatic brake systems, including trailer brakes and retardation units (for commercial vehicles only) ◦ Steering system ◦ Suspension system ◦ Transmission system (including power take-off for commercial vehicle) ◦ Battery and electrical system, including heating, ventilation and air conditioning ◦ Safety restraint system ◦ Body and Frame unit ◦ Wheels and tyres ◦ Fifth-wheel couplings and trailer landing gear (for commercial vehicles only) • Conduct performance and safety inspection after the work and provide a simple work report focusing on: ◦ Abnormalities ◦ Measured data ◦ Major decisions
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 carrying out routine vehicle maintenance work safely for various vehicle systems and components according to the instructions in the respective vehicle manufacturer's service manual and the relevant requirements on environmental protection, occupational safety and health regulations; • Capable of inspecting the performance of various systems according to the manufacturer's specification and relevant legal requirements; and • Capable of conducting safety inspections and providing a simple work report upon completion of work.
Remark	The credit value of this unit of competency is set on the presumption that the practitioner concerned has already possessed basic knowledge of the functions of the vehicle systems. The major legislation/code involved in this unit of competency is as follows: • Road Traffic (Construction and Maintenance of vehicles) Regulations (This UoC replaced 108641L1)