Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Servicing

Title	Dismantle, replace and re-assemble vehicle system components
Code	111664L2
Range	This unit of competency is applicable in vehicle service workshops. Practitioners should be able to dismantle, replace and reassemble internal combustion engine (ICE) vehicle system components correctly according to the corresponding vehicle manufacturer's service manual and guidelines under instruction and supervision and provide an oral report
Level	2
Credit	6 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (The general ICE vehicle system components) • Identify the names and locations of vehicle system components. • Identify the structure and functions of vehicle systems and associated components. • Apply the procedure of dismantling, replacing and reassembling vehicle system components. • Understand the relevant requirements on road and vehicle safety and health regulations. 2. Performance (Dismantle, replace and reassemble general vehicle system components) • Dismantle, replace and reassemble the vehicle system components correctly according to the vehicle manufacturer's service manual and guidelines under supervision, such as: ◦ Engine and mechanical components, including emission control systems ◦ Liquid and gaseous fuel supply and metering systems (for light vehicles only) ◦ Diesel fuel supply and metering systems (for commercial vehicles only) ◦ Engine management systems ◦ Hydraulic brake systems and retardation units (for light vehicles only) ◦ Pneumatic brake systems, including trailer brakes, and retardation units (for commercial vehicles only) ◦ Steering systems ◦ Suspension systems ◦ Integrated stability control systems ◦ Transmission systems (including power take-off unit for commercial vehicle) ◦ Low-voltage electrical systems ◦ Advanced electronic control and driver-assistance systems ◦ Body and chassis components ◦ Wheels and tyres ◦ Fifth-wheel couplings and trailer landing gear (for commercial vehicles only) ◦ Other related systems and components • Apply the environmental protection laws and regulations and the environmental protection operation guidelines formulated by the organisation when carrying out related procedures. • On completion of work, provide an oral report.

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 describing the names, structure, location and functions of various vehicle systems and components correctly; and • Capable of dismantling, replacing and reassembling the vehicle system components correctly according to the vehicle manufacturer's manual and guidelines under supervision and providing an oral report after the work.
Remark	The credit value of this unit of competency is set on the presumption that the practitioner concerned has already possessed the capability to use general vehicle servicing tools. The major relevant legislation/rule involved in this unit of competency is as follows: • Waste Disposal (Chemical Waste) (General) Regulation • Factories and Industrial Undertakings (Lifting Appliances and Lifting gear) Regulations (This UoC replaced 108635L1)