Specification of Competency Standards
for the Automotive Industry
Unit of Competency

Functional Area - Vehicle Servicing

Title	Conduct maintenance for special equipment and instruments for vehicle inspection
Code	108715L3
Range	This unit of competency is applicable in vehicle servicing workplaces. Practitioners should be able to conduct maintenance for special equipment and instruments for vehicle inspection according to vehicle manufacturer's manual.
Level	3
Credit	3 （For Reference Only）
Competency	Performance Requirements 1. Knowledge (Maintenance for special equipment and instruments for vehicle inspection) • Master the maintenance manual on special equipment and instruments for vehicle inspection. • Master the operating method for testing instruments and equipment. 2. Performance (Conduct maintenance for special equipment and instruments for vehicle inspection) • Conduct maintenance for special equipment and instruments for vehicle inspection regularly according to the instructions in the vehicle manufacturer's manual, including: o Check and clean o Fine tune and calibrate o Top up materials and replace consumable materials o Keep documents in relation to instruments and equipment, such as operating manual o Keep, update, reset and upgrade computer software relevant to equipment o Update and maintain the maintenance and repair records/information of those instruments and equipment. • Conduct maintenance for special equipment and instruments for vehicle inspection, such as: o Exhaust gases analysers for petrol engines o Diesel engine smoke meters o Chassis dynamometers o Engine dynamometers o Engine analysers o Hand held testers o Brake testers o Wheel aligners o Wheel balancers o Headlamp aligners o Refrigerant recovery and reclaim station o Liquefied gas testing equipment o Other special equipment and instruments for vehicle inspection.
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 masterly conducting maintenance on special equipment and instruments for vehicle inspection according to vehicle manufacturer's manual; and • Capable of updating and maintaining the documents concerning the special equipment and instruments for vehicle inspection.

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Remark	The credits value of this unit of competency is set on the presumption that the practitioner concerned has already understood the basic operation of special equipment and instruments for vehicle inspection and general computer operation.