

Specification of Competency Standards
for the Automotive Industry
Unit of Competency

Functional Area - Vehicle Servicing

Title	Use special tools and equipment for vehicle servicing
Code	108645L2
Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be able to use special tools and equipment for vehicle servicing correctly to examine and repair various vehicle systems and components according to the instructions in the vehicle manufacturer's servicing manual or the user guide provided by the producer of special tools and equipment for vehicle servicing.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Special tools and equipment for vehicle servicing)</p> <ul style="list-style-type: none"> • Understand the structure, use and basic operating principles of the special tools and equipment for vehicle servicing. • Know about the instructions in the vehicle manufacturer's servicing manual as well as the special tools and equipment for vehicle servicing producer's user guide. <p>2. Performance (Use special tools and equipment for vehicle servicing)</p> <ul style="list-style-type: none"> • Use special tools and equipment for vehicle servicing to examine and repair various vehicle systems and components according to the instructions in the vehicle manufacturer's servicing manual or the special tools and equipment for vehicle servicing producer's user guide, such as: <ul style="list-style-type: none"> ○ Precision measuring equipment e.g. micrometre, dial snap gauge and cylinder bore gauge. ○ Various kinds of engine management system analysers and hand-held testers ○ Exhaust gas analysers ○ Opacimeters ○ Chassis power testers ○ Drum brake testers ○ Various kinds of wheel position indicators ○ Various kinds of vehicle system hydraulic testing instruments ○ Various kinds of universal meter instruments specially used for vehicles ○ Hand held testers for various types of advanced electronic control vehicle systems ○ Special checking and repairing instruments and equipment provided by vehicle manufacturers ○ Checking and repairing instruments and equipment for other related systems
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are that the practitioner being assessed shall prove that he/she is:</p> <ul style="list-style-type: none"> • Capable of selecting special tools and equipment for vehicle servicing correctly according to the instructions in the vehicle manufacturer's servicing manual or the user guide provided by the producer of special tools and equipment for vehicle servicing; and • Capable of examining and repair various vehicle systems and components according to the instructions on how to use the special tools and equipment for vehicle servicing correctly.
Remark	The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed basic knowledge of vehicle mechanical servicing.