

Specification of Competency Standards
for the Automotive Industry
Unit of Competency

Functional Area - Vehicle Servicing

Title	Non-high energy electrical system related operation on electric and hybrid vehicles
Code	108688L2
Range	This unit of competency is applicable in electrical vehicle servicing workshops. Practitioners should be able to carry out non-high energy electrical system work on or near electric and hybrid vehicles safely according to the instructions in the electrical vehicle manufacturer's service manual and the relevant requirements on environment, occupational safety and health regulations. They should also be able to conduct basic tests on components upon completion of work and providing written report.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Hazard associated with electric and hybrid vehicles)</p> <ul style="list-style-type: none"> • According to the instructions in the electrical vehicle manufacturer's service manual, understand the hazards associated with electric and hybrid vehicles such as: <ul style="list-style-type: none"> ○ Potential hazards of the following components: <ul style="list-style-type: none"> ▪ High power component ▪ Charging systems ▪ High voltage battery ○ Preventive measures relating to work • Understand how to provide written report after the work. • Understanding of the relevant legal requirements on road & vehicle safety, and environment protection. <p>2. Performance (Process the work in hazards associated with electric and hybrid vehicles)</p> <ul style="list-style-type: none"> • According to the instructions in the electrical and hybrid vehicle manufacturer's servicing manual and the requirements of occupational safety and health as well as that of environmental protection, safely process the work in hazards associated with electric and hybrid vehicles, including: <ul style="list-style-type: none"> ○ Collect information about potential hazards ○ Work with the basis of preventive measures • Conduct performance and safety inspection after the work and provide written report focusing on: <ul style="list-style-type: none"> ○ Abnormalities ○ Measured data ○ Major decisions
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are that the assessee shall prove that he/she is:</p> <ul style="list-style-type: none"> • Capable of carrying on non-high energy electrical system work of electric and hybrid vehicle safely according to the instructions in the electric and hybrid vehicle manufacturer's servicing manual the relevant requirements on environment, occupational safety and health regulations; and • Capable of conducting basic tests on components upon completion of work and provide working report.
Remark	The credits value of this unit of competency is set on the presumption that the assessee concerned has already possessed basic knowledge in operation of electric and hybrid vehicle.