

Specification of Competency Standards
for the Automotive Industry
Unit of Competency

Functional Area - Vehicle Servicing

Title	Check and repair mechanical break down and damage for electric and hybrid vehicles
Code	108689L2
Range	This unit of competency is applicable in electric and hybrid vehicle servicing workshops. Practitioners should be able to carry out mechanical breakdown and damaged work on electric and hybrid vehicles safely according to the instructions in the electric and hybrid vehicle manufacturer's service manual and the relevant requirements on road and vehicle safety, environment, occupational safety and health regulations. They should also be able to handle potential hazards and conducting 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 (Hazards with mechanical break down and damage for electric and hybrid vehicles and work base on preventive measures)</p> <ul style="list-style-type: none"> • According to the instructions in the electric and hybrid vehicle manufacturer's service manual, understand the potential hazards associated with mechanical breakdown and damage for electric and hybrid vehicle, such as: <ul style="list-style-type: none"> ○ Potential hazards on break down and damage vehicle ○ The risk assessment ○ Work base on preventive measures • Understanding of the relevant legal requirements on road and vehicle safety, and environment protection. <p>2. Performance (Work with mechanical break down and damage for electric and hybrid vehicle)</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 with mechanical break down and damage for electric and hybrid vehicle, including: <ul style="list-style-type: none"> ○ Collect information about potential hazards ○ Conduct risk assessment ○ Repair 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 practitioner being assessed shall prove that he/she is:</p> <ul style="list-style-type: none"> • Capable of working on repair of mechanical breakdown and damaged on electric and hybrid vehicle safely according to the instructions in the electric and hybrid vehicle manufacturer's servicing manual and the relevant requirements on road and vehicle safety, environment, occupational safety and health regulations; and • Capable of conducting basic tests on components upon completion of work and providing working report.
Remark	The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed basic knowledge in operation of electric and hybrid vehicle.