



EV INSPECTION AND SERVICING SKILL SETS

AURSS00064 BATTERY ELECTRIC VEHICLE INSPECTION AND SERVICING SKILL SET **AURSS00037 HYBRID ELECTRIC VEHICLE INSPECTION AND SERVICING SKILL SET**

Course Overview

This course is aimed at upskilling automotive technicians to provide the skills necessary to depower, service and repair, and reinitialise battery electric and hybrid electric vehicles, as the automotive industry moves towards a future where electric drive and/or electric assisted vehicles are becoming the norm. **Please note that this is not an introduction to Battery Electric Vehicles and Hybrid Electric Vehicles.**

Duration

The Automotive Institute of Technology (AIT) registered training organisation Hybrid Electric Vehicle (HEV) and Battery Electric Vehicle (BEV) program, is delivered in its entirety within a 5-day course that combines classroom-based learning with practical tasks/assessments in the workshop.

Entry Requirements

The skill sets are limited to those who have completed one of the following qualifications:

- AUR30320 Certificate III in Automotive Electrical Technology or its equivalent
- AUR30620 Certificate III in Light Vehicle Mechanical Technology or its equivalent
- AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical Technology or its equivalent

Evidence of suitability will need to be provided during the enrolment process, due to the risks involved when working with high voltages.

Learning Outcomes

Learners will develop skills in inspecting and servicing Battery Electric and Hybrid Electric Vehicles in the automotive retail, service and repair industry. Upon successful completion, learners will receive a Statement of Attainment for the Nationally Recognised Units of Competency:

Unit Code	Title
(AURSS00064) Battery Electric Vehicle Inspection and Servicing Skill Set	
AURETH101	Depower and reinitialise battery electric vehicles
AURETH102	Inspect and maintain battery electric vehicles
AURETH103	Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles
AURETH107	Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles

(AURSS00037) Hybrid Electric Vehicle Inspection and Servicing Skill Set

AURETH010	Diagnose and repair high voltage rechargeable energy storage systems in hybrid electric vehicles
AURETH011	Depower and reinitialise hybrid electric vehicles
AURETH012	Service and maintain electrical components in hybrid electric vehicles

The unit **AURETR025 Test, charge and replace batteries and jump-start vehicles** (or its equivalent) is a prerequisite for **AURETH010**, and will be assessed and awarded prior to the course (*where required*). Assessment can be by RPL, and is included in the course fee.

Special Requirements

Due to the high voltage and potentially dangerous nature of the work, learners with severe twitches or impaired fine motor skills must assess their suitability to enrol in the course. Learners with pace-makers or other medical device, or condition that can be affected by the powerful magnets within an EV, as per AS 5732:2022 (Sect 2.1), are not suitable to attend this course.

Mode of Delivery

The learner is required to understand electrical principles and automotive technology as electrical fundamentals are only revised during the training delivery. The course will involve theory delivery in the classroom and demonstration of tasks in the workshop. To award the skill sets AURSS00064 and AURSS00037, units of competency need to be acquired by assessment. Assessment will involve completing assessment tasks in the workshop and completing a knowledge test, which requires a pass mark of 100%.

Resources Required

Learners are expected to provide minimum personal protective equipment (work clothing and rubber soled safety boots that meet Australian Safety Standards, safety glasses), and are encouraged to bring their own test equipment or special PPE, as long as it meets AIT's requirements.

Course Fees

Subsidised rate: \$816.25* in total

- AURSS00064 Battery Electric Vehicle Inspection and Servicing Skillset - \$525.00
- AURSS00037 Hybrid Electric Vehicle Inspection and Servicing Skill Set - \$291.25

For candidates who do not meet the eligibility criteria for the subsidised program, a similar Fee-for-Service option is available:

MTA WA Members: \$2100

Non-Members: \$2400

*This course is offered with subsidies under the Priority Industry Qualifications. Please note that eligibility criteria apply: this offer is available to WA residents only, provided they meet specified 'Entry Requirements.'

The total course fees are indicative only and are subject to change given individual circumstances at enrolment. Additional fees may apply.

More Information

Morning tea and lunch will be provided during the course. We are unable to cater for specific dietary requirements.

All learners are treated equitably, having regard to their particular needs, in order to ensure the provision of every reasonable opportunity for the learner to acquire the competencies of the qualification.

Please contact our Registered Training Organisation for more information

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