



Australian Government

AURSS00063 Battery Electric Vehicle Diagnose and Repair Skill Set

Release 2

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Modification History

Release	Comments
Release 1	This version first released with the Automotive Retail, Service and Repair Training Package Version 7.0. Supersedes and is equivalent to AURSS00034 Battery Electric Vehicle Diagnose and Repair Skill Set. Edited to better reflect industry requirements and increase consistency of language with other skill sets.
Release 2	Minor change resulting in the addition of the AUR31220 Certificate III in Mobile Plant Technology to the Pathways Information section.

Description

This skill set addresses the skills and knowledge to diagnose and repair battery electric vehicle (BEV) systems for a range of purposes required in an automotive retail, service and repair industry context.

Pathways Information

This skill set is limited to those who have completed one of the following qualifications:

- AUR30320 Certificate III in Automotive Electrical Technology or equivalent
- AUR30620 Certificate III in Light Vehicle Mechanical Technology or equivalent
- AUR31120 Certificate III in Heavy Commercial Vehicle Mechanical Technology or equivalent
- AUR31220 Certificate III in Mobile Plant Technology, or equivalent. (Graduates of the EWP stream must have completed AURETR129 Diagnose and repair charging systems and AURETR130 Diagnose and repair starting systems)

The units provide credit towards AUR40620 Certificate IV in Automotive Electrical Technology, AUR32721 Certificate III in Automotive Electric Vehicle Technology and other qualifications that allow for selection of these units.

Licensing/Regulatory Information

Licensing, legislative, regulatory or certification requirements may apply to this skill set. Users are advised to check with the relevant jurisdiction/s for current requirements.

Skill Set Requirements

AURETR125 Test, charge and replace batteries and jump-start vehicles

AURETH101 Depower and reinitialise battery electric vehicles

AURETH104 Diagnose and repair traction motor speed control systems in battery electric vehicles

AURETH105 Diagnose and repair high voltage traction motors in battery electric vehicles

AURETH106 Diagnose and repair auxiliary motors and associated components in battery electric vehicles *

AURETH108 Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicles *

AURETH109 Diagnose and repair DC to DC converters in battery electric vehicles *

***Note the following prerequisite unit requirements.**

UNIT IN THIS SKILL SET	PREREQUISITE UNIT
AURETH106 Diagnose and repair auxiliary motors and associated components in battery electric vehicles	AURETH101 Depower and reinitialise battery electric vehicles
AURETH108 Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicles	AURETH101 Depower and reinitialise battery electric vehicles
AURETH109 Diagnose and repair DC to DC converters in battery electric vehicles	AURETH101 Depower and reinitialise battery electric vehicles AURETR125 Test, charge and replace batteries and jump-start vehicles

Target Group

This skill set is for individuals with existing automotive technology skills and knowledge, who work in automotive mechanical or electrical technical contexts, and who are looking to upskill in the area of BEVs.

Suggested words for Statement of Attainment

These units of competency from the AUR Automotive Retail, Service and Repair Training Package meet industry requirements for BEV technicians in automotive workplace contexts.