



Australian Government

AURETR147 Recharge vehicle batteries

Release: 1

AURETR147 Recharge vehicle batteries

Modification History

Release	Comments
Release 1	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.0

Application

This unit describes the skills and knowledge required to recharge a vehicle battery. It involves preparing for the task, investigating battery types and connections, inspecting, testing and charging batteries; and completing work processes and documentation.

The unit applies to those undertaking a Vocational Education and Training in Schools (VETiS) or pre-vocational qualification as preparation to entering the automotive service and repair or automotive manufacturing industry.

The unit is designed for use in a highly supervised context.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Unit Sector

Electrical Technical – Electrical and Electronics

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to recharge battery	1.1 Identify task requirements from task instructions, including vehicle battery to be worked on 1.2 Obtain and interpret technical information and safe operating procedures for battery recharging 1.3 Identify potential hazards and risks associated with the task according to workplace health and safety and environmental requirements and report to workplace supervisor 1.4 Implement control measures in line with workplace policies and procedures 1.5 Identify tools and equipment required for battery removal

ELEMENT	PERFORMANCE CRITERIA
	and refitting and establish serviceability according to manufacturer specifications, workplace procedures and workplace health and safety and environmental requirements
2. Determine battery serviceability	2.1 Clean battery and prepare for inspection and testing according to manufacturer specifications, workplace procedures and workplace health and safety and environmental requirements 2.2 Inspect and test battery according to manufacturer specifications, workplace procedures, and workplace health and safety and environmental requirements 2.3 Record battery condition, serviceability and issues requiring further exploration according to workplace procedures
3. Charge battery	3.1 Identify tools and equipment required for battery charging and establish serviceability according to manufacturer specifications, workplace procedures and workplace health and safety and environmental requirements 3.2 Charge battery according to manufacturer specifications, workplace procedures and workplace health and safety and environmental requirements 3.3 Check post-charging condition of battery and serviceability according to manufacturer specifications and workplace procedures 3.4 Record battery condition, serviceability and issues requiring further exploration according to workplace procedures
4. Complete work processes	4.1 Conduct final inspection according to workplace procedures and confirm vehicle is ready for use 4.2 Clear work area and dispose of or recycle materials according to workplace procedures 4.3 Complete documentation according to workplace procedures.

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Learning	Locates required sources of information efficiently
Reading	Selects and interprets key information from manufacturer specifications, workplace health and safety requirements and

SKILL	DESCRIPTION
	workplace procedures relating to recharging vehicle batteries • Selects and interprets key information from environmental requirements and workplace procedures to ensure a clean and safe work site
Oral communication	• Participates effectively in verbal exchanges using questioning and active listening to request, clarify and clearly convey information
Numeracy	• Interprets numerical information in battery identification codes and ratings • Uses mathematical operations, to calculate appropriate charge rates • Interprets electrical test equipment, including voltmeters and hydrometers, and reports and records the results using relevant mathematical symbols and conventions (e.g. V for volts)
Planning and organising	• Plans own work requirements • Prioritises actions to achieve required outcomes
Self-management	• Recognises own limitations when selecting and using tools and equipment and seeks timely advice
Problem-solving	• Refers problems that cannot be readily resolved and seeks assistance from workplace supervisor
Technology	• Sets up and operates specialised equipment and tools.

Unit Mapping Information

Supersedes and is equivalent to AURETR047 Recharge vehicle batteries.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>