

Title	Describe servicing requirements of multiple automotive batteries and traction batteries		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to describe: the requirements of multiple battery servicing, and traction batteries and their service requirements.
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Classification	Motor Industry > Automotive Electrical and Electronics
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 30572, *Demonstrate knowledge of vehicle or machine batteries* before being assessed against this unit standard.
- 2 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, and company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 3 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of the Health and Safety at Work Act 2015; and any subsequent amendments and replacements.
- 4 Multiple batteries may include 12 volt series (24 volt system) or 12 volt parallel.
- 5 **Definitions**
Company requirements refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.
Service information may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
- 6 Machines may include – forklifts, earth moving equipment, grader equipment, loaders, dozers, tractors, agricultural equipment, dump trucks, prime movers; electric machines including – forklift, walk-behind pallet, ride-on pallet, reach truck, order picker, counterbalance truck, turret truck.

Outcomes and performance criteria

Outcome 1

Describe the requirements of multiple battery servicing.

Performance criteria

1.1 Multiple battery service requirements are described.

Range may include – disconnecting and connecting, handling, maintenance, testing, charging, coding.

Outcome 2

Describe traction batteries and their service requirements.

Performance criteria

2.1 Differences between traction batteries and automotive batteries are described.

Range construction, cell rating, terminal connectors.

2.2 Traction battery service requirements are described.

Range may include – connecting and disconnecting, handling, maintenance, testing, charging.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 January 2018	N/A

Consent and Moderation Requirements (CMR) reference	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.