

Title	Test and repair a battery powered machine		
Level	4	Credits	5

Purpose	This unit standard is for people in the automotive electrical and outdoor power equipment repair industries. People credited with this unit standard are able to: test a battery powered machine for condition; and repair or replace battery powered machine components.
----------------	---

Classification	Motor Industry > Automotive Workshop Engineering
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

- Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- Legislation relevant to this unit standard includes but is not limited to the current version of the Health and Safety at Work Act 2015 and any subsequent amendments or replacements.
- Definitions
Company requirements refers 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.
- Battery powered machines may include – forklift, walk-behind pallet, ride-on pallet, reach truck, order picker, counterbalance truck, turret truck.

Outcomes and performance criteria

Outcome 1

Test a battery powered machine for condition.

Performance criteria

- 1.1 Testing of systems is carried out and any defects noted.

Outcome 2

Repair or replace battery powered machine components.

Performance criteria

2.1 Components are repaired or replaced.

Range may include – servicing and replacing batteries, repairing wiring, replacing wheel bearings, repairing or replacing axles, repairing and replacing controls and handles, removing and replacing motors, servicing and repairing drive components, adjusting belt or chain tension and aligning belts or chains, servicing and repairing brakes, servicing and repairing steering systems, checking and repairing driver safety systems;
evidence of five component repairs is required

2.2 Battery powered machine is operated to ensure all components function correctly.

Planned review date	31 December 2022
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 February 1999	31 December 2020
Revision	2	16 April 2003	31 December 2020
Review	3	20 March 2008	31 December 2020
Review	4	29 March 2018	N/A

Consent and Moderation Requirements (CMR) reference	0014
--	------

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.