

Title	Service bearings and seals in vehicles or equipment		
Level	3	Credits	3

Purpose	<p>This unit standard is intended for people in the automotive repair industry.</p> <p>People credited with this unit standard are able to inspect and service bearings and inspect and fit seals in vehicles or equipment.</p>
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Classification	Motor Industry > Automotive Preventive Maintenance
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Available grade	Achieved
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Guidance Information

- 1 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.
- 2 Performance of the outcomes of this unit standard must comply with the following: Health and Safety at Work Act 2015.
- 3 Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 4 **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 refers to technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
Suitable tools and equipment refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

Outcomes and performance criteria

Outcome 1

Inspect and service bearings in vehicles or equipment.

Range may include but is not limited to – wheels, hubs, shafts, support members; caged, ball and roller, taper roller, solid, needle, thrust.

Performance criteria

1.1 Bearings are inspected in situ for condition.

Range may include but is not limited to – signs of overheating, wear, vibration, water ingress, lack of lubrication, damage, noise, alignment, fit on shafts and housings.

1.2 Bearings are removed without damage.

1.3 Bearings are cleaned, and where appropriate, washed and dried.

1.4 Surrounding areas of the bearings are cleaned.

1.5 Bearings are inspected and replaced.

Range inspection includes but is not limited to – signs of scoring, wear, excessive loading, stress, water ingress, incorrect fitment.

1.6 Bearings are lubricated and refitted, and adjustments carried out as necessary.

1.7 A check is made to ensure that, after inspection and service, the bearings operate.

Outcome 2

Inspect and fit seals in vehicles or equipment.

Range includes but is not limited to – wheels, hub, driveshaft.

Performance criteria

2.1 Seal faults and their causes are identified.

2.2 Seals are removed without damage to the surrounding area.

2.3 Seals are cleaned, inspected for wear and damage, and replaced.

2.4 Seals are fitted.

2.5 A check is made to ensure that, after fitting, the seals operate.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 March 2008	31 December 2022
Review	2	29 April 2021	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.