

Title	Demonstrate knowledge of fastening systems used in the automotive industry		
Level	2	Credits	2

Purpose	People credited with this unit standard are able to demonstrate knowledge of fastening systems used in the automotive industry.
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Classification	Motor Industry > Vehicle Bodywork
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Available grade	Achieved
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Guidance Information

- 1 Legislation and references
Performance of the outcomes of this unit standard must comply with the following:
Health and Safety at Work Act 2015.
- 2 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.
- 3 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.
- 4 Assessment
Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturers specifications, service information, company requirements and legislative requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of fastening systems used in the automotive industry.

Performance criteria

1.1 Purpose of fastening systems is described.

Range metal parts, trim materials, rubber and plastic components.

1.2 Types of fastening systems and their uses are described.

Range may include – adhesives, bolts, double-sided tape, nuts, pins, plastic and metal body clips, plastic ties, rivets, screws, studs, chemicals.
evidence of five is required.

1.3 Types of adhesives and their uses are described.

Range contact, urethane, epoxy, isocyanates, double-sided tape; single pack, two pack.

1.4 Thread types are identified.

Range metric, imperial.

1.5 Method and importance of torquing fasteners are described.

Range using a torque wrench.

Replacement information	This unit standard and unit standard 21715 replaced unit standard 3883.
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Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 July 2005	31 December 2018
Review	2	21 April 2016	31 December 2023
Review	3	10 December 2020	31 December 2027
Review	4	25 May 2023	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.