

<b>Title</b>	<b>Prepare a painted surface and bare metal for painting in the collision repair industry</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to: prepare a painted surface for painting; and prepare bare metal for painting, in the collision repair industry.
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<b>Classification</b>	Motor Industry > Vehicle Bodywork
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and references  
Performance of the outcome 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.
- 5 Recommended skills and knowledge  
It is recommended that people seeking credit for this unit standard first hold credit for Unit 21702, *Demonstrate knowledge of preparing a vehicle body surface for painting, feather edging and preparing bare metal*, or demonstrate equivalent knowledge and skills.

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## Outcomes and performance criteria

### Outcome 1

Prepare a painted surface for painting in the collision repair industry.

#### Performance criteria

- 1.1 Surface is cleaned, and abrasives are selected.
- 1.2 Sanding and feather edging are carried out with no damage to adjacent panels and/or fittings.
- Range may include – wet sanding, dry sanding, hand sanding, machine sanding;  
may include – panel repair, scratches, chips, rust creep, blisters, flaking paint; smooth level surface between the different layers of paint and/or metal, no deep sand scratches that will show through when topcoat is applied.

### Outcome 2

Prepare bare metal for painting in the collision repair industry.

Range complete panel, bare metal patches on painted panel.

#### Performance criteria

- 2.1 Metal to be prepared is cleaned.
- Range may include – steel, aluminium.
- 2.2 Metal is prepared, ensuring no damage to adjacent panels and/or fittings.
- Range may include – abrasives; abrasive finishing, cleaning, and buffing disks; metal conditioners; sanding machines; sanding block.

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<b>Replacement information</b>	This unit standard and unit standard 21702 replaced unit standard 3867 and unit standard 3870.
<b>Planned review date</b>	31 December 2027

**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

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.