

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

Purpose	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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Classification	Motor Industry > Vehicle Bodywork
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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 manufacturers specifications, service information, company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 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.
- 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 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 before proceeding with this standard.

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.

Replacement information	This unit standard and unit standard 21702 replaced unit standard 3867 and unit standard 3870.
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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	27 July 2005	31 December 2018
Review	2	21 April 2016	31 December 2023
Review	3	10 December 2020	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 the MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.