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| <b>Title</b> | <b>Demonstrate knowledge of methods of and precautions when removing paint from vehicle body panel surfaces</b> |                |          |
| <b>Level</b> | <b>3</b>  | <b>Credits</b> | <b>2</b> |

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| <b>Purpose</b> | This theory-based unit standard is for people who wish to enter or are employed in the automotive refinishing industry. People credited with this unit standard are able to demonstrate knowledge of methods of removing paint, and precautions when removing paint, from a vehicle body panel surface. |
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| <b>Classification</b> | Motor Industry > Automotive Refinishing |
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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:  
Hazardous Substances and New Organisms Act 1996;  
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 which are documented in memo or manual format and are available in the workplace. These requirements include but are not limited to – company specifications and procedures, work instructions, manufacturer specifications, product quality specifications and legislative requirements.  
*Service information* may include but is not limited to – technical information of a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions and specifications; technical terms and descriptions; and detailed illustrations. This may be accessed from the manufacturer.
- 4 Assessment  
Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's specifications, service information, company and legislative requirements.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of methods of removing paint from a vehicle body panel surface.

#### Performance criteria

1.1 Methods of removing paint are identified.

Range types of paints include but are not limited to – lacquer, two pack, air dry enamel original equipment manufacturer (OEM) finishes; methods of removal include but are not limited to – paint removers, abrasives, clean and strip wheels, sand and bead blasting.

1.2 How paint removers function is described.

Range metal surfaces, plastic surfaces, composites.

1.3 Sand and bead blasting and the effect they have on metal and plastic surfaces are described.

Range grade of abrasives and bead materials, mild steel, high strength steel, galvanised steel, alloy galvanised sheet steel, aluminium.

1.4 Methods of removing paint using abrasives are described.

Range hand sanding, sanding machine, clean and strip wheels.

1.5 Abrasives are identified.

Range grades of abrasives; surface conditioning pads and discs, clean and strip wheels.

### Outcome 2

Demonstrate knowledge of precautions when removing paint from a vehicle body panel surface.

#### Performance criteria

2.1 Importance of protecting adjacent areas and components when removing paint is described.

2.2 Importance of cleaning and preparing surface prior to painting is described.

Range includes but is not limited to – foreign matter on surface, key for paint coat, finish.

2.3 Safety precautions when removing paint are identified.

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| <b>Replacement information</b> | This unit standard and unit standard 24024 replaced unit standard 5747. |
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| <b>Planned review date</b> | 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       | 26 November 2007 | 31 December 2018         |
| Review       | 2       | 21 April 2016    | 31 December 2027         |
| Review       | 3       | 25 May 2023      | N/A                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0014 |
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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.