

<b>Title</b>	<b>Identify and repair paint defects in the automotive refinishing industry</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	This unit standard is for people who work in the automotive refinishing industry. People credited with this unit standard are able to identify paint defects to be repaired, and repair paint defects, in the automotive refinishing industry.
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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;  
Spray Coating Regulations 1962;  
*Approved Code of Practice for the Safe Use of Isocyanates (WorkSafe).*
- 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 *Approved Code of Practice for the Safe Use of Isocyanates* is available online from the WorkSafe website <http://www.business.govt.nz/worksafe>.
- 4 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.
- 5 Range  
Assessment against this unit standard applies to repairing any two defects by polishing and any two defects by refinishing.

## 6 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.

For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

## 7 Recommended knowledge and skills

Unit 24012, *Demonstrate knowledge of paint defects in the automotive refinishing industry*, or demonstrate equivalent knowledge and skills.

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## Outcomes and performance criteria

### Outcome 1

Identify paint defects to be repaired in the automotive refinishing industry.

#### Performance criteria

1.1 Paint defects to be repaired are identified on the paint surface.

Range may include but is not limited to – acid spotting, blistering, blushing, blooming, bridging, chalking, checking, cracking, crazing, dirt, dry spray, edge mapping, etching, fading, fish eyes, flaking, haloing, humidity blisters, mottling, orange peel, overspray, pin holes, poor opacity, plastic bleed through, runs, rust, sand scratch swelling, shrinking and splitting, streaking, solvent popping, tape marks, water spotting.

### Outcome 2

Repair paint defects in the automotive refinishing industry.

#### Performance criteria

2.1 Tools, materials, and equipment that enable the defects to be repaired are selected and used.

Range may include but is not limited to – sanding block, abrasive, sanding machine, cleaners, paint remover, spray gun, masking materials, wet stone, cutting compound, polish, polishing buff and attachments.

2.2 Type of paint coating is identified in accordance with vehicle specifications.

Range refinish coating, original manufacturer paint coating.

2.3 Defects and causes are identified and repaired with no visual difference in colour and texture between the repaired area and adjacent areas on the vehicle.

Range refinished, polished.

2.4 There is no damage to adjacent areas on the vehicle.

Range overspray, sand marks, sand through, gloss difference, texture difference.

<b>Replacement information</b>	This unit standard and unit standard 24012 replaced unit standard 5716.
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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

<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>.

#### 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.