

<b>Title</b>	<b>Demonstrate knowledge of fillers, and filling and sanding a repair in the motor industry</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	This theory-based unit standard is for people who wish to enter or are employed in the motor industry. People credited with this unit standard are able to demonstrate knowledge of motor body fillers, and using body fillers to fill and sand a panel repair.
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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;  
Lead Process Regulations 1950.
- 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 motor body fillers.

#### Performance criteria

- 1.1 Purpose and types of fillers are identified.
- 1.2 How body fillers cure and the effect of hardeners and temperature on them are described.
- Range includes but is not limited to – volume of hardener used, high and low temperatures.
- 1.3 Purpose and uses of lead as filler in the motor body industry are identified.

### Outcome 2

Demonstrate knowledge of using body fillers to fill and sand a panel repair.

#### Performance criteria

- 2.1 Tools and equipment appropriate for the job are identified.
- Range includes but is not limited to – sanders, mixing board, spreader, body file, sanding block, abrasives, masking tape.
- 2.2 Method of preparing the surface to be filled is described.
- Range includes but is not limited to – protect adjacent fittings, sanding, grades of abrasives.
- 2.3 Method of mixing and applying the filler is described.
- 2.4 Method of sanding filler to a smooth level surface is described.
- Range includes but is not limited to – no deep sanding scratches or irregularities, no damage to adjacent areas or fittings, grades of abrasive, checking surface.
- 2.5 Safety precautions when working with fillers are identified.

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<b>Replacement information</b>	This unit standard and unit standard 21710 replaced unit standard 3865.
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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	27 July 2005	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.