

<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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### Explanatory notes

- 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 (this includes the knowledge and/or use of suitable tools and equipment).
- Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of including updated amendments to, and replacements of – Health and Safety at Work Act 2015; Lead Process Regulations 1950.
- 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.  
*Suitable tools and equipment* means industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

### Outcomes and evidence requirements

#### Outcome 1

Demonstrate knowledge of motor body fillers.

**Evidence requirements**

- 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.

**Evidence requirements**

- 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.

<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 2021
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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	N/A

**Consent and Moderation Requirements (CMR) reference**

0014

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

**Please note**

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMRs). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

**Comments on this unit standard**

Please contact the MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.