

<b>Title</b>	<b>Remove and replace damaged bolted on motor body panels in the motor body industry</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	This unit standard is for people who are at pre-employment level or who have recently started work in the motor body industry. People credited with this unit standard are able to: demonstrate knowledge of bolted on motor body parts; prepare to remove bolted on panels; remove a bolted on body panel; prepare to fit new or repaired panel; and fit a new or repaired panel.
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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 The following legislation (and subsequent amendments) is applicable to this unit standard and must be followed where applicable:  
Health and Safety in Employment Act 1992.
- 2 Company policy includes workplace standards, practices, and procedures, which must comply with current legislation requirements. It is assumed the policy also meets product manufacturers' specifications, recommendations, and standards.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of bolted on motor body parts.

#### Performance criteria

- 1.1 Bolted on panels are identified according to vehicle manufacturer's specifications.
- 1.2 Purpose of bolted on body panels is identified according to vehicle manufacturer's specifications.

Range bonnet, boot lid, doors, guards, stone guards, tailgate, canopy.

- 1.3 Principle of how each part is attached is identified according to vehicle manufacturer's specification.
- Range bolt sizes, threads, hinges.
- 1.4 Importance of treating hidden areas of panels is identified according to the vehicle manufacturer's specifications.
- Range painting, sealing, anti-corrosion procedures.

## Outcome 2

Prepare to remove bolted on panels.

### Performance criteria

- 2.1 Tools and equipment are selected to enable the part to be removed according to the vehicle manufacturer's specifications.
- Range sockets, spanners, screwdrivers.
- 2.2 Parts interfering with panel removal are identified and removed without damage according to the vehicle manufacturer's specifications.
- Range may include but are not limited to – bumpers, door stops, wiring, guard aerials, door fittings, guard linings.

## Outcome 3

Remove a bolted on body panel.

### Performance criteria

- 3.1 Safe work practices are carried out throughout the task.
- Range personal safety, safety to others, vehicle safety, tools and equipment safety.
- 3.2 Bolts are located and removed using the tools recommended by the manufacturers, and the panel is removed without damage to adjacent panels and fittings.
- 3.3 Undamaged parts are removed from the panel and stored, and the panel is disposed of according to company policy.
- Range may include but are not limited to – door hinges, trim and fittings, clips, mouldings, bonnet and boot lid locks, badges, lights, guard linings, bolts, nuts, screws, washers.

## Outcome 4

Prepare to fit new or repaired panel.

**Performance criteria**

- 4.1 New or repaired panel is procured and complies with the vehicle manufacturer’s specifications.
- 4.2 Surface panel is to be fitted to, is undamaged and clean so that the part can be fitted according to the vehicle manufacturer’s specifications.
- 4.3 Hidden areas of panels are identified, and treated according to the vehicle manufacturer’s specifications.  
  
Range painting, sealing, corrosion prevention.
- 4.4 Tools are selected to enable the panel to be fitted according to the vehicle manufacturer’s specifications.

**Outcome 5**

Fit a new or repaired panel.

**Performance criteria**

- 5.1 Panel is attached and secured, and body gaps and alignment are according to the vehicle manufacturer’s specifications.
- 5.2 Anti-corrosion procedures are carried out according to the vehicle manufacturer’s specifications.
- 5.3 Parts are fitted to the panel and wiring is connected according to the vehicle manufacturer’s specifications.
- 5.4 All systems are operating according to the vehicle manufacturer’s specifications.
- 5.5 Safe working practices are carried out throughout the task.  
  
Range personal safety, safety to others, vehicle safety, tools and equipment safety.

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<b>Replacement information</b>	This unit standard was replaced by unit standard 21704 and unit standard 21709.
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 1995	31 December 2016
Revision	2	30 October 1997	31 December 2016
Revision	3	28 May 1998	31 December 2016
Review	4	10 February 1999	31 December 2016
Revision	5	13 March 2001	31 December 2016
Rollover	6	25 July 2006	31 December 2020
Rollover	7	19 November 2010	31 December 2020
Rollover	8	22 August 2014	31 December 2020
Rollover	9	22 October 2020	31 December 2021

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

0014

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