

<b>Title</b>	<b>Identify and prepare vehicle body metal for top coats of paint</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	This 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 identify vehicle body metal to be prepared, and prepare vehicle body metal for top coats of paint.
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<b>Classification</b>	Motor Industry > Automotive Refinishing
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<b>Available grade</b>	Achieved
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<b>Entry information</b>	
<b>Recommended skills and knowledge</b>	Unit 21702, <i>Demonstrate knowledge of preparing a vehicle body surface for painting, and preparing bare metal, or demonstrate equivalent knowledge and skills.</i>

### 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 – 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).
- Approved Code of Practice for the Safe Use of Isocyanates* is available online from the WorkSafe website <http://www.business.govt.nz/worksafe/>.
- 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.

## 5 Assessment

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

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## Outcomes and evidence requirements

### Outcome 1

Identify vehicle body metal to be prepared.

#### Evidence requirements

1.1 Metals used on motor vehicles are identified.

Range may include but is not limited to – mild steel, high strength steel, ultra high strength steel, galvanised steel, aluminium, stainless steel; properties – colour, hardness, magnetic.

1.2 Vehicle and paint manufacturer specifications when preparing bare metal are sourced and interpreted.

Range includes but is not limited to – adhesion, paint compatibility, warranty, safety, paint system.

### Outcome 2

Prepare vehicle body metal for top coats of paint.

#### Evidence requirements

2.1 Materials used to prepare vehicle body metal for top coat are identified and used.

Range may include but is not limited to – anti-corrosive primers and fillers, metal conditioners, cleaners, abrasives, masking materials.

2.2 Methods of preparing bare metal for painting are identified and carried out, and the metal is prepared for top coat of paint.

Range cleaning, adhesion, undercoating.

2.3 Adjacent areas not being painted are identified and remain undamaged.

Range damage caused by – overspray, sanding marks, scratches.

2.4 Drying time is observed in accordance with paint manufacturer specifications, and primed surface is free of defects.

Range surface is free of – dirt, runs, dryspray, heavy orange peel, uneven coating.

2.5 Tools and equipment are cleaned and put away, the work area is cleaned, and materials are stored.

<b>Replacement information</b>	This unit standard replaced unit standard 5707.
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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	26 November 2007	31 December 2018
Review	2	21 April 2016	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>.

#### 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.