

Title	Identify and prepare vehicle body metal for top coats of paint		
Level	3	Credits	3

Purpose	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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Classification	Motor Industry > Automotive Refinishing
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Available grade	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 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.

A minimum of 3 vehicle body metals is required.

6 Recommended skills and knowledge:

Unit 21702, *Demonstrate knowledge of preparing a vehicle body surface for painting, feather edging and preparing bare metal*, or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Identify vehicle body metal to be prepared.

Performance criteria

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.

Performance criteria

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

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.

Replacement information	This unit standard replaced unit standard 5707.
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Planned review date	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

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.