Title | Remove, repair, and replace damaged motor vehicle plastic bumpers
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Level | 3
Credits | 4

Purpose
This unit standard is for people who work in the motor industry. People credited with this unit standard are able to remove a damaged plastic bumper from a vehicle, and repair and replace a plastic bumper.

Classification
Motor Industry > Collision Repair

Available grade
Achieved

Entry information

Recommended skills and knowledge
Unit 23741, *Demonstrate knowledge of plastics and plastic composite repairs used in the motor and related industries*; Unit 23742, *Repair plastic components in the motor and related industries*; and Unit 23983, *Demonstrate knowledge of motor vehicle bumpers*; or demonstrate equivalent knowledge and skills.

Explanatory notes
1. 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).

2. 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; Land Transport Rules: Frontal Impact 2001, Rule 32006/1; Vehicle Repair 1998, Rule 34001.

3. Land Transport Rules are available online at [https://www.nzta.govt.nz/](https://www.nzta.govt.nz/)

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.

*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**

Remove a damaged plastic bumper from a vehicle.

**Evidence requirements**

1.1 Suitable tools and equipment are selected and used that enable the bumper to be removed.

1.2 Method of attachment and access are assessed.

1.3 Parts that are likely to interfere with removal are removed and/or straightened.

   **Range** may include but is not limited to – damaged panels, damaged brackets, tow bar, lights, guard liners, grille, spoiler, wiring, parking antennas, coolant hoses and lines, electronic sensors.

1.4 Bumper is removed.

**Outcome 2**

Repair and replace a plastic bumper.

**Evidence requirements**

2.1 Suitable tools and equipment are selected and used that enable the bumper frame to be repaired and replaced.

   **Range** may include but is not limited to – hammers, dollies, levers, welding plant, vice, sander, spanners, sockets, screwdrivers.

2.2 Parts are removed from the bumper to enable repairs to be carried out, and salvageable parts are stored until required.

   **Range** may include but is not limited to – brackets, bolts, reinforcing, frame, lamps.

2.3 Brackets, supports, and frame are replaced and/or straightened to their original shape.

2.4 Plastic componentry is identified and repaired to its original shape.

2.5 Preparation for painting is carried out ensuring there are no imperfections that may impair painting.
Range   filling, sanding.

2.6 Arrangements are made to restore the prepared bumper to its original colour and finish.

2.7 Bumper is reassembled, refitted, and secured to the vehicle in its original position.

2.8 Tools and equipment are cleaned and put away, and the work area is cleaned.

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**Replacement information**

This unit standard, unit standard 23983, and unit standard 23985 replaced unit standard 5759.

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**Planned review date**

31 December 2021

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

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

0014


**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 if you wish to suggest changes to the content of this unit standard.