

## Field      Engineering and Technology

### Review of *Automotive Refinishing* unit standards

Subfield	Domain	ID
Motor Industry	Automotive Refinishing	5720, 5723, 5727, 21102, 23994, 24001, 24002, 24003, 24004, 24005, 24006, 24007, 24008, 24009, 24010, 24011, 24012, 24013, 24014, 24015, 24016, 24017, 24018, 24019, 24020, 24021, 24022, 24023, 24024

Hanga-Aro-Rau Manufacturing (H-A-R), Engineering and Logistics Workforce Development Council has completed the review of the unit standards listed above.

**Date new versions published**

**May 2023**

**Planned review date**

**December 2027**

### Summary

H-A-R reviewed the motor industry unit standards for the listed unit standards above to ensure they continued to be fit-for-purpose for the motor industry.

H-A-R carried out the review to better align the unit standards to the graduate profile outcomes of the New Zealand Automotive Refinishing, and Collision Repair suite of qualifications. Various unit standards were reviewed in batches between 2020 and 2021 giving multiple 'next review dates'. These have now been consolidated to give a next review date of 2027. Providers with consent to assess were invited for input and feedback via email. Industry and subject matter experts also provided feedback and input into the review of these unit standards through online meetings and emails.

### Main changes

- The review date has been aligned to 2027 for all the unit standards listed.
- Level 5 unit standards 21102, 24013 and 24017 have been reclassified to Level 4 to better align with the new Level 4 qualification outcomes.
- Standard setting details are updated to reflect the change of standard setting body to Hanga-Aro-Rau Workforce Development Council from 4 October 2021.
- Guidance Information has been updated to reflect current legislation, definitions, and recommended knowledge and skills.
- Unit standards 24011, 24017, have updated titles to better reflect the skill set.
- Unit 24011 has reduced in credits with the removal of maintenance.
- New unit standards 33196 and 33276 have been created to better represent skill sets that have been previously incorporated in unit standard 24011.

**The last date for assessment of superseded versions of Category B unit standards is December 2027**

### Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

<b>Key to review category</b>	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

Engineering and Technology > Motor Industry > Automotive Refinishing

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
5720	Paint vehicle panels in solid colour two pack in the automotive refinishing industry	4	8	B
5723	Paint vehicle panels in basecoat and two pack clearcoat	4	8	B
5727	Check preparation and apply an anti-chip coating and/or texture finish to a vehicle	3	2	B
21102	Demonstrate knowledge of vehicle paint technology	5 <b>4</b>	4	B
23994	Demonstrate knowledge of waterborne paint systems in the automotive refinishing industry	4	2	B
24001	Demonstrate knowledge of masking an area for two pack painting in the automotive refinishing industry	4	3	B
24002	Mask an area for two pack painting in the automotive refinishing industry	4	4	B
24003	Identify and prepare vehicle body metal for top coats of paint	3	3	B
24004	Demonstrate knowledge of primers, fillers, and sealers in the automotive refinishing industry	3	3	B
24005	Use primers, fillers, and sealers, and prepare paint for top coats in the automotive refinishing industry	3	12	B
24006	Demonstrate knowledge of paint scales and mixing machines, and colour matching in the automotive refinishing industry	4	4	B
24007	Prepare, mix and match colours to vehicles in the automotive refinishing industry	4	20	B
24008	Demonstrate knowledge of automotive spray guns, spraying and spray gun defects, and spray gun maintenance	3	2	B
24009	Use a spray gun to apply top coats to vehicle panels and rectify spray gun defects	4	3	B
24010	Demonstrate knowledge of workshop and paint curing equipment in the automotive refinishing industry	3	3	B
24011	Use and maintain workshop and paint curing equipment in the automotive refinishing industry <b>Use paint curing equipment in an automotive refinishing workshop</b>	4	8 <b>5</b>	B
24012	Demonstrate knowledge of paint defects in the automotive refinishing industry	4	2	B
24013	Identify and repair paint defects in the automotive refinishing industry	5 <b>4</b>	4	B
24014	Demonstrate knowledge of plastic automotive parts and painting automotive plastics	4	2	B
24015	Prepare and paint plastic automotive parts	4	4	B
24016	Demonstrate knowledge of touching up two pack solid and Clear-Over-Base (COB) finishes on a vehicle	4	3	B

ID	Title	Level	Credit	Review Category
24017	Touch up the paintwork on a vehicle using two pack solid and Clear-Over-Base (COB) colours <b>Touch up paintwork on a vehicle using two pack solid and Clear-Over-Base (COB) colours</b>	5 <b>4</b>	15	B
24018	Demonstrate knowledge of touching up pearl finishes on a vehicle	4	2	B
24019	Touch up the paintwork on a vehicle using three layer pearl finishes	4	7	B
24020	Demonstrate knowledge of adhesive graphics in the motor industry	3	1	B
24021	Prepare and apply adhesive graphics to a vehicle or machine	3	3	B
24022	Use waterborne paint systems in the automotive refinishing industry	4	4	B
24023	Demonstrate knowledge of methods of and precautions when removing paint from vehicle body panel surfaces	3	2	B
24024	Remove paint from vehicle panels	3	3	B
33196	<b>Demonstrate knowledge of servicing and maintenance of automotive refinishing air services and paint curing equipment</b>	<b>4</b>	<b>5</b>	<b>New</b>
33276	<b>Safely remove adhesive graphics on a vehicle or machine</b>	<b>3</b>	<b>3</b>	<b>New</b>