

Title	Use and maintain a resistance spot welding plant in the automotive industry		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to use and maintain a resistance spot welding plant in the automotive industry.
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Classification	Motor Industry > Collision Repair
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Available grade	Achieved
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Guidance Information

- 1 Legislation and references
Performance of the outcomes of this unit standard must comply with the following:
Health and Safety at Work Act 2015.
- 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 Definitions
Company requirements refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.
Service information may include – vehicle structural repairer code of practice, technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
- 4 Assessment
Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturers specifications, service information, company requirements and legislative requirements.
- 5 Recommended skills and knowledge
It is recommended that people hold credit for Unit 23988, *Demonstrate knowledge of the resistance spot welding process used for vehicle repairs*, or demonstrate equivalent knowledge and skills before being assessed against this unit standard.

Outcomes and performance criteria

Outcome 1

Use and maintain a resistance spot welding plant in the automotive industry.

Performance criteria

- 1.1 Resistance spot welder is set up.
- Range type of metal, metal thickness, tip size, timer, pressure setting, current.
- 1.2 Metal is prepared for welding.
- Range no contaminants on the surface to be welded, metal positioned securely;
may include – anti-corrosion primer.
- 1.3 The metal is welded into position.
- Range full penetration, welds in centre of flange, neat appearance, evenly spaced, no indentations that exceed half the thickness of panel, no metal distortion, no weld splatter, no pin holes.
- 1.4 Resistance spot welding plant is maintained according to company or manufacturer's recommendation.

Replacement information	This unit standard and unit standard 23988 replaced unit standard 5765.
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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 2023
Review	2	10 December 2020	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.