

41324**Produce mechanical vehicle keys**

Kaupae Level	4
Whiwhinga Credit	8
Whāinga Purpose	This skill standard is intended for people who are working in the locksmithing industry. People credited with this skill standard will be able to prepare for and produce a working mechanical key. This skill standard aligns with the New Zealand Certificate in Locksmithing (Trade) (Level 4) [Ref: 2718].

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Prepare to produce a working mechanical key.	a. Identify key blank.
	b. Obtain vehicle key cutting specifications.
	c. Identify appropriate production method.
	d. Inspect vehicle and note any pre-existing damage.
	e. Confirm all locks work correctly and use the same key.
2. Produce a working mechanical key by lock removal and disassembly.	a. Identify and remove appropriate lock.
	b. Disassemble lock.
	c. Produce a working mechanical key and test in all locks.
3. Produce a working mechanical key without lock removal and disassembly.	a. Identify appropriate lock and key blank.
	b. Pick and decode lock using appropriate tool.
	c. Match decode to a valid key code.
	d. Produce a working mechanical key and test in all locks.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria***Assessment specifications:***

- Evidence must include a minimum of working keys for 6 vehicles.
- Keys produced must include – track, edge cut.
- Lock removal methods must include – door card removal, door edge retaining screw.
- Evidence presented for assessment against this skill standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

Definition

Workplace procedures refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer's requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the locksmithing industry.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

- Production methods – picking and decoding, lock removal and disassembly, obtain key code.
- Locks – ignition, door.
- Lock opening methods and tools – impressioning, reading, picking and decoding tools, lishi style tools.

Rauemi | Resources

Legislation, regulations and industry guidelines relevant to this skill standard include but are not limited to:

- Health and Safety at Work Act 2015.
- Master Locksmiths Association Australasia (MLAA), Code of Ethics. Available from: <https://masterlocksmiths.com.au/>.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Manufacturing and Engineering Industry Skills Board
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Engineering and Technology > Mechanical Engineering > Locksmithing
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0014

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	28 May 2026	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2031		

Please contact Manufacturing and Engineering Industry Skills Board at qualifications@maeisb.nz to suggest changes to the content of this skill standard.