

Title	Service and repair automotive mechanical locking systems		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to: open; dismantle and reassemble automotive locking systems; replace and repair automotive locking system parts; and clean, lubricate, and adjust automotive locking systems.
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Classification	Mechanical Engineering > Locksmithing
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Available grade	Achieved
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Guidance Information

- 1 References and legislation
Health and Safety at Work Act 2015.
- 2 Definition
Worksite procedures refers to the documented and/or verbal procedures that include: worksite rules, business procedures, equipment operating instructions, quality management systems, and health and safety requirements.
- 3 Range
Mechanical locking systems – door, ignition, boot, tailgate/hatch, petrol cap, glove box.
- 4 Assessment information
All work practices must meet recognised codes of practice, and documented worksite safety procedures (where these exceed any applicable code) for personal, product and worksite safety, and must comply with current legislation.

Outcomes and performance criteria

Outcome 1

Open automotive locking systems.

Performance criteria

- 1.1 Customer's authority to open the vehicle is verified according to worksite procedures.
- 1.2 The vehicle is opened by operating the mechanical linkages of the lock.

1.3 The vehicle is opened by operating linkages and bypassing the lock according to worksite procedures.

1.4 A key is made and the vehicle is opened according to worksite procedures.

Range methods for making keys include – impressioning, reading, cut to code.

Outcome 2

Dismantle and reassemble automotive mechanical locking systems.

Performance criteria

2.1 Locking system parts are removed without damage and laid out in disassembly order.

2.2 Locking systems are reassembled with parts in correct order according to manufacturer's specifications.

Outcome 3

Replace and repair automotive mechanical locking system parts.

Performance criteria

3.1 Locking systems are rekeyed according to manufacturer's specifications.

3.2 Parts are replaced according to manufacturer's specifications.

3.3 Replacement parts are sourced, made or repaired according to manufacturer's specifications.

3.4 Vehicle security and lock operation comply with customer requirements and manufacturer's specifications.

Outcome 4

Clean, lubricate, and adjust automotive mechanical locking systems.

Performance criteria

4.1 Locking system is cleaned according to worksite procedures.

4.2 Lubricant is selected according to manufacturer's specifications.

4.3 Lubricant is applied according to manufacturer's specifications.

Range amount of lubricant, lubrication locations.

4.4 Adjustment and operation of the locking device are according to manufacturer's specifications.

4.5 The vehicle is cleaned and made tidy according to worksite procedures.

Replacement information	This unit standard was replaced by unit standard 30967 and unit standard 30968.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 March 1998	31 December 2022
Review	2	29 July 2002	31 December 2022
Review	3	19 May 2006	31 December 2022
Review	4	1 March 2018	31 December 2022

Consent and Moderation Requirements (CMR) reference	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

This unit standard is expiring