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| Title | Demonstrate knowledge of servicing automotive electronic locking systems | | |
| Level | 4 | Credits | 3 |

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| Purpose | People credited with this unit standard are able to demonstrate knowledge of: servicing transponder key systems, servicing remote entry devices, and servicing and programing electronic locking systems on vehicles. |
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| Classification | Mechanical Engineering > Locksmithing |
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| Available grade | Achieved |
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Guidance Information

Definition

Servicing refers to the maintenance, repair, and adjustment of automotive electronic locking systems and remote entry devices.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of servicing transponder key systems.

Performance criteria

- 1.1 Methods and sources of identifying transponder key are described.
- Range methods – vehicle, profile, transponder type, transponder ID, key blank;
sources – customer, vehicle, dealer, manuals, software.
- 1.2 Process for transferring transponder chip to a new shell is described.
- Range integrated remote key, non-remote transponder key.
- 1.3 Basic servicing required is described.
- Range battery and power source, synchronisation.

Outcome 2

Demonstrate knowledge of servicing remote entry devices.

Performance criteria

- 2.1 Basic servicing required is described.
- Range examples – battery replacement, replace worn remote pads, identify faulty remote buttons.

Outcome 3

Demonstrate knowledge of servicing and programming electronic locking systems on vehicles.

Performance criteria

- 3.1 Operational tests for keys or remote entry devices are described.

3.2 Actuator servicing procedures are described.

Range inspection, tests, adjustments, replacement.

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| Planned review date | 31 December 2023 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|--------------|--------------------------|
| Registration | 1 | 1 March 2018 | N/A |

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| 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>.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.