

Title	Check and rectify wheel alignment faults on heavy vehicles and trailers		
Level	4	Credits	14

Purpose	People credited with this unit standard are able to carry out pre-alignment checks, perform a wheel alignment and rectify alignment faults on heavy vehicles and trailers.
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Classification	Motor Industry > Vehicle Steering and Suspension
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Available grade	Achieved
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Guidance Information

- 1 It is recommended that people hold credit for Unit 31934, *Demonstrate knowledge of heavy vehicle and trailer wheel and chassis alignment procedures* before being assessed against this unit standard.
- 2 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, and company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 3 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the Health and Safety at Work Act 2015; Land Transport Rule: Vehicle Repair 1998, Rule 34001; and any subsequent amendments and replacements.
- 4 **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 – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.
- 5 This unit standard is for heavy vehicle and trailer units. Light vehicle wheel alignment is covered in Unit 883, *Check and adjust vehicle front and rear wheel alignment*.
- 6 **Range**
 One twin steer truck, one single steer truck; and one of either self-steer trailer or semi-trailer or turntable trailer, wheel alignment faults.

Outcomes and performance criteria

Outcome 1

Carry out pre-alignment checks on heavy vehicles and trailers.

Performance criteria

1.1 Information regarding vehicle steering fault symptoms and related alignment problems is obtained from the customer.

1.2 Pre-alignment inspections and checks are carried out.

Range inspections include – steering and suspension components, road test.

Outcome 2

Perform a wheel alignment and rectify alignment faults on heavy vehicles and trailers.

Performance criteria

2.1 Wheel alignment measurements are carried out.

2.2 Alignment faults are rectified.

Range may include – wheel, axle, chassis.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 September 2019	N/A
Revision	2	16 December 2021	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.