

<b>Title</b>	<b>Inspect and fit tractor and agricultural machine safety frames, and repair guarding</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to: inspect safety frame and body components; remove and fit safety frame and cab components; and repair tractor and agricultural machine frame guards and guarding.
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<b>Classification</b>	Motor Industry > Tractor and Machine Systems
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 It is recommended that people hold credit for Unit 23937, *Demonstrate knowledge of tractor and agricultural machine safety frame and cab requirements, and inspection and repairs* 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 Performance of the outcomes of this unit standard must comply with the following:  
Health and Safety at Work Act 2015;  
Land Transport Rule: Heavy Vehicles 2004;  
Land Transport Rule: Vehicle Repair 1998;  
Approved code of practice: Roll-over protective structures on tractors in agricultural operations, ISBN 0-477-03630-9, available  
<https://worksafe.govt.nz/dmsdocument/707-acop-roll-over-protective-structures-on-tractors-in-agricultural-operations>.
- 4 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.
- 5 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* refers to information such as technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

*Suitable tools and equipment* refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

- 6 For this unit standard, it is essential that the practical assessment evidence is obtained in the workplace under normal workplace conditions.

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## Outcomes and performance criteria

### Outcome 1

Inspect safety frame and body components.

#### Performance criteria

- 1.1 Legal and professional obligations to the machine owner when fitting, inspecting, and refitting a safety frame and/or cab, are identified.
- 1.2 Safety frame and body component condition is determined, and a condition report given to the supervisor.
- Range may include – safety frame mounts, mounting bolts, erosion and corrosion of the frame, welds, impact damage.

### Outcome 2

Remove and fit safety frame and cab components.

#### Performance criteria

- 2.1 Safety frame and cab components are removed.
- 2.2 Customer requirements are verified before fitting a safety frame and/or cab.
- 2.3 A safety frame is fitted.
- 2.4 Cab components are fitted.

### Outcome 3

Repair tractor and agricultural machine frame guards and guarding.

#### Performance criteria

- 3.1 Tractor guards and guarding are cleaned to enable an inspection to be carried out.
- Range may include – steam cleaning, solvent and water washing.

3.2 A condition report is completed.

Range may include – inspection of parts, assessing damage and condition of guards and guarding, recommending repairs required, recommending additional guarding of unprotected areas.

3.3 Repairs and fitting of guards and guarding are carried out.

Range may include – guarding of revolving machinery, foot plates, mud guarding, engine component protection, radiator screening, ventilation considerations, lighting protection, protection against impact damage.

<b>Replacement information</b>	This unit standard and unit standard 23937 replaced unit standard 5439.
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<b>Planned review date</b>	31 December 2025
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	21 September 2007	31 December 2022
Review	2	29 July 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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 MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.