



Australian Government

AURJTD002 Inspect motorcycle steering systems

Release: 1

AURJTD002 Inspect motorcycle steering systems

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to inspect motorcycle steering systems according to manufacturer specifications. It involves preparing for the task, inspecting the system, and completing workplace processes and documentation.

It applies to those undertaking a Vocational Education and Training in Schools (VETiS) or pre-vocational qualification as preparation to entering the automotive service and repair or automotive manufacturing industry.

The unit is designed for use in a highly supervised context and is not suitable for use in a vocational qualification.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Competency Field

Mechanical - Motorcycle

Unit Sector

Technical - Steering and Suspension

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare to inspect motorcycle steering system	1.1 Task instruction is interpreted and motorcycle to be worked on is identified 1.2 Inspection information is sourced and interpreted

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
	1.3 Potential hazards and risks associated with task are identified and reported to workplace supervisor 1.4 Tools, equipment and materials are selected and checked for serviceability
2. Inspect steering system	2.1 Inspection is carried out according to manufacturer specifications, workplace procedures and safety requirements 2.2 Inspection results are compared with manufacturer specifications 2.3 Inspection findings are reported according to workplace procedures
3. Complete work processes	3.1 Final inspection is made to ensure work meets task instruction and workplace standards, and motorcycle is presented ready for use 3.3 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected 3.4 Tools and equipment are checked and stored according to workplace procedures 3.5 Workplace documentation is processed according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skills	Description
Learning skills to:	locate sources of information on steering system specifications.
Reading skills to:	interpret key information from manufacturer and workshop literature when seeking inspection procedures and specifications relating to steering systems.
Writing skills to:	legibly and accurately fill out workplace documentation using correct industry terminology and conventions.
Oral communication skills to:	participate effectively in verbal exchanges using questioning and active listening to request, clarify and clearly convey information.
Numeracy skills to:	- measure steering free play - measure tyre inflation pressures.

Skills	Description
Technology skills to:	• use measuring equipment, such as tape measures and rulers.

Range of Conditions

This section specifies work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Safety requirements</i> must include:	• work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for lifting and supporting motorcycles.
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Unit Mapping Information

Equivalent to AURJTD2002 Inspect motorcycle steering systems

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURJTD002 Inspect motorcycle steering systems

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Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- inspect the steering systems of two different motorcycles.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) relating to inspecting motorcycle steering systems, including procedures for lifting and supporting motorcycles
- identification and function of motorcycle steering system components, including:
 - telescopic forks and fork legs
 - wheel and axle assembly
 - head tube
 - headstock and bearings
 - triple clamp
 - handle bars, clamps and grips
 - steering damper
 - steering stops
- types and applications of motorcycle steering lubricants
- inspection procedures for motorcycle steering systems, including:
 - oil leaks
 - component wear
 - tyres and inflation
 - mounting bolts and attachments

- steering bearings and
- front axle alignment.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the motorcycle steering systems that they have inspected, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- automotive workplace or simulated workplace
- task instructions
- manufacturer steering system specifications
- two different motorcycles
- tools, equipment and materials appropriate for inspecting motorcycle steering systems.

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