



Australian Government

AURJTA1002 Remove and replace motorcycle components and accessories

Release 1

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Modification History

Release	Comment
Release 1	New unit of competency

Unit Descriptor

Unit descriptor	This unit describes the performance outcomes required to remove, replace and make final adjustments to components and accessories fitted to motorcycles. This unit involves demonstrating the ability to interpret equipment specifications and use tools and equipment to remove, fit and adjust motorcycle components and accessories to Australian Standards and customer requirements. No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.
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Application of the Unit

Application of the unit	Work applies to components, ancillary equipment and accessories of motorcycles and motor scooters, including road, off-road, agricultural and race applications.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for work	1.1. Workplace instructions are used to determine job requirements relating to removing and replacing motorcycle components and accessories 1.2. Workplace health and safety (WHS) requirements are observed and applied throughout the work 1.3. Procedures and information are sourced and interpreted 1.4. Method options are analysed and those most appropriate to the circumstances are selected 1.5. Tools and equipment required for the task are selected and prepared
2. Remove and inspect motorcycle components or accessories	2.1. Components or accessories for removal are identified 2.2. Removal of component is carried according to manufacturer and component supplier specifications and without causing damage to components or systems 2.3. Inspection is carried out according to workplace procedures and manufacturer and component supplier specifications 2.4. Workplace documentation is completed according to workplace procedures
3. Fit, test and adjust motorcycle components	3.1. Components or accessories for fitting are identified 3.2. Fitting is implemented according to manufacturer and component supplier specifications and without causing damage to components or systems 3.3. Adjustments are made to components or accessories according to manufacturer and component supplier specifications 3.4. Post-fitting testing is performed to ensure integrity of work carried out 3.5. Further adjustments are made where necessary on conclusion of testing
4. Clean up work area and finalise work processes	4.1. Final inspection is made to ensure work is to workplace expectations and motorcycle is presented ready for use 4.2. Tools and equipment are checked and stored according to workplace expectations 4.3. Workplace documentation is processed according to workplace procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- communication skills to:
 - communicate effectively regarding work requirements with supervisor or other workers
 - report work outcomes and problems
- literacy skills:
 - reading skills to the level required to understand information related to work orders, including common industry terminology, work plans and safety procedures
 - writing skills to prepare reports and interpret technical information and specifications
- numeracy skills to: correctly interpret metric and imperial systems of measurement
- planning and organising skills to:
 - identify risk factors to minimise risk to self and others
 - contribute to activities which implement and follow standard workplace procedures
- problem-solving skills to:
 - identify technical and procedural problems
 - refer problems outside area of responsibility to appropriate person
- self-management skills to:
 - locate and identify appropriate tools and equipment
 - recognise limitations and seek timely advice
 - follow basic workplace documentation, such as work plans or procedures
- teamwork skills to apply knowledge of own role to complete activities efficiently to support team activities and tasks
- technical skills to:
 - select tools and equipment appropriate to the task
 - use tools and equipment to perform minor adjustments to motorcycle components and accessories
- technology skills to use workplace technology to assist with work practices

Required knowledge

- WHS regulations, requirements, equipment and material, and personal safety requirements relating to removing and replacing motorcycle components and accessories
- motorcycle terminology
- types, function, application and operation of tools and equipment used for removing and replacing motorcycle components and accessories
- removal and replacement procedures of motorcycle components and accessories
- testing procedures and adjustment methods relating to motorcycle component and accessory removal and replacement

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

- workplace documentation policies and procedures

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy all of the requirements of the performance criteria and required skills and knowledge.

A person who demonstrates competency in this unit must be able to:

- observe safety procedures and requirements
- select removal, replacement, inspection and adjustment methods and techniques appropriate to the circumstances
- conduct a minimum of three different removal, replacement and adjustment tasks according to manufacturer and component supplier specifications
- confirm effectiveness of work relating to component or accessory removal or replacement
- complete workplace documentation requirements relevant to tasks performed.

Context of, and specific resources for assessment

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

Assessment is to occur:

- using standard workplace practices and procedures
- following safety requirements
- applying environmental constraints.

Assessment is to comply with relevant:

- regulatory requirements
- Australian standards
- industry codes of practice.

The following resources should be made available:

- operational motorcycles and a range of suitable components or accessories
- equipment, hand and power tools and specialised motorcycle tools and equipment appropriate for the removal and replacement of motorcycle components and accessories

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

- specifications and workplace instructions.

Method of assessment

Assessment must satisfy the endorsed Assessment Guidelines of this Training Package.

Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with the application of required skills and knowledge.

Assessment methods must be by direct observation of tasks and include questioning on required skills and knowledge to ensure correct interpretation and application.

Competence in this unit may be assessed in conjunction with other units which together form part of a holistic work role.

Where applicable, reasonable adjustment must be made to work environments and training situations to accommodate the needs of diverse clients.

Assessment processes and techniques must be culturally sensitive and appropriate to the language, literacy and numeracy capacity of the candidate and the work being performed.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Workplace instructions may include:	• computer-generated instructions • verbal instructions • written instructions.
Job requirements may include:	• motorcycle component and accessory removal and replacement methods, processes and equipment.
Workplace health and safety (WHS) requirements:	• are those prescribed under legislation, regulations, codes of practice, and workplace policies and procedures • may include: • protective clothing and equipment • use of tools and equipment • handling of material • use of fire-fighting equipment • first aid equipment • hazard control, including control of hazardous materials and toxic substances.
Procedures and information may include:	• job card or work schedule • written maintenance procedures • workshop manuals • work bulletins • verbal or written and graphical instructions • product assembly instructions • service instructions • manufacturers design specifications and maintenance instructions.
Tools and equipment may include:	• hand tools • hand-held power tools and air tools • specialised motorcycle repair tools • floor stands • workbench.
Components or accessories may include:	• wheels • mudguards • lighting system components • suspension system components

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	• brake system components • fuel and oil tanks • seat • control cables • ignition system components • handlebars and hand controls • foot controls and foot-pegs • mufflers and exhaust pipes • windshield • pannier bags • luggage racks.
Workplace documentation may include:	• safety and emergency procedures • reporting and recording procedures • organisational quality policies and procedures • material safety data sheets (MSDS) • regulatory and legislative requirements pertaining to motorcycle safety • organisation work instructions and requirements • Australian standards.

Unit Sector(s)

Competency field	Mechanical - Motorcycle
Unit sector	Technical

Custom Content Section

Not applicable.