



Australian Government

FWPCOT3280 Replace saw blades, knives and guides

Release: 1

FWPCOT3280 Replace saw blades, knives and guides

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Application

This unit of competency describes the skills and knowledge required to remove blunt or damaged saw blades, knives and guides from circular saws, band saws, chippers and canters, and install reconditioned cutting components.

The unit applies to individuals who replace saw blades, knives and guides in saws, chippers and canters in a timber processing or manufacturing facility.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for replacement	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	handling techniques 1.3 Identify, assess and take actions to mitigate risks and hazards associated with replacing saw blades, knives, and guides 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Select appropriate repair and maintenance tools and equipment, including lifting equipment if required, and check for operational effectiveness 1.6 Select replacement saw blades, knives and guides according to manufacturer recommendations 1.7 Transport saw blades, knives and guides for replacement to designated machines, using mechanical lifting aids as required
2. Replace saws, blades and guides	2.1 Lock out machine and equipment according to workplace procedures, and remove mechanical and safety components to provide access to saw blades, knives and guides without damaging components 2.2 Store removed components temporarily in a safe location 2.3 Remove and replace saw blades, knives and guides according to manufacturer recommendations 2.4 Re-attach and secure mechanical and safety components according to manufacturer recommendations 2.5 Check serviced machine and equipment for correct alignment, position and overall free operational performance 2.6 Dispose of used saw blades, knives and guides according to environmental protection practices, or transfer for reconditioning 2.7 Record and report processing problems and equipment faults to appropriate personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Numeracy	- Measures precise alignment of blades and guides to specification - Uses standard units of measurement to determine the precise location of components of saws and cutting equipment
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Uses modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3280 Replace saw blades, knives and guides	FWPCOT3212 Replace saws, blades and guides	Reworded application statement for clarity; updated unit code and title for clarity and compliance	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPCOT3280 Replace saw blades, knives and guides

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- safely removed and replaced saw blades, knives and guides in one or more of the following types of saws and cutting machines:
 - circular saws
 - narrow or wide band saws
 - chippers
 - canters
- safely disposed of obsolete saw blades, knives and guides.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose, features and operation of tools and equipment used to remove and replace saw blades, knives and guides in saws, chippers and canters:
 - spanners
 - wrenches and sockets
- mechanical lifting aids, including:
 - block and chain
 - pedestrian operated crane
 - pulley system
- methods for:
 - isolation of machine and equipment
 - removing mechanical and safety components without damaging these

- removing saw blades, knives and guides from saws, chippers and canters
- installing and checking replacement saw blades, knives and guides for correct alignment and free operation
- re-inserting guides to carriers within allowable tolerances and adjusting clearances
- features and names of different parts of saw blades, knives and guides for:
 - circular saws
 - chippers
 - canters
 - narrow and wide band saws
- mechanical and safety equipment components and their positioning and tolerance specifications in relation to other components, including:
 - electrical motors
 - riving knives
 - access covers
 - saw guards
 - extraction equipment
- environmental protection practices in timber processing and manufacturing facilities
- types of risk and hazards and mitigation measures associated with replacing saw blades, knives and guides
- workplace procedures specific to replacing saw blades, knives and guides:
 - workplace health and safety, with particular emphasis on equipment lock-out, the use of personal protective equipment (PPE) and safe manual handling techniques
 - communication reporting lines
 - recording and reporting of processing problems and equipment faults.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing or manufacturing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - one or more of the following types of saws and cutting machines for which saw blades, knives and guides are to be replaced: circular saws, chippers, canters, narrow and wide band saws
 - new or reconditioned saw blades, knives and guides for those machines
 - mechanical lifting aids
 - spanners, wrenches and sockets
 - PPE suitable for replacing saw blades, knives and guides
- specifications:
 - template documents for recording processing problems and equipment faults

- manufacturer instructions for use, repair and maintenance of equipment
- work order with specific instructions for replacing saw blades, knives and guides in specified machine
- workplace procedures for replacing saw blades, knives and guides in saws, chippers and canters.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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