



Australian Government

CPCCCA3027 Set up, operate and maintain indirect action powder-actuated power tools

Release: 2

CPCCCA3027 Set up, operate and maintain indirect action powder-actuated power tools

Modification History

- Release 2 Updated reference to general construction induction training program.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
New unit.

Application

This unit of competency specifies the skills and knowledge required to set-up, operate and maintain powder-actuated power tools safely and effectively to fasten materials or fix fasteners to bases, meeting all relevant requirements of work health and safety (WHS), and Commonwealth and state or territory legislation.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

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

Pre-requisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Carpentry and Joinery

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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|---------------------|---|
| 1 Plan and prepare. | 1.1 Read and interpret work instructions and plan sequence of work. |
| | 1.2 Plan all work to comply with laws and regulations, work health and safety (WHS) and environmental |

- requirements, manufacturers' specifications, workplace requirements, drawings and specifications.
- 1.3 Select tools and equipment, check for serviceability and rectify or report any faults.
 - 1.4 Select and use personal protective equipment (PPE) for each part of the task.
 - 1.5 Inspect work site, locate services, assess hazards and apply risk controls, including required signage and barricades.
- 2 Set out fasteners.
 - 2.1 Set out fasteners, adhering to minimum distances from edge of substrate material.
 - 2.2 Position and hold or fix material into designed position.
- 3 Prepare powder-actuated power tool.
 - 3.1 Strip, check and reassemble tool.
 - 3.2 Check tool for operation and test fire following manufacturer's specifications and WHS requirements for use of powder-actuated power tools.
 - 3.3 Select fastener.
 - 3.4 Assess requirements for material, base and penetration and select charge.
 - 3.5 Install attachments and accessories to tool following manufacturers' specifications and WHS requirements for use of powder-actuated power tools.
 - 3.6 Locate fastener and charge in powder-actuated power tool to manufacturers' specifications.
- 4 Operate powder-actuated power tool.
 - 4.1 Operate tool to fix fastener in place to manufacturers' recommendations, legislation, regulations and codes of practice.
 - 4.2 Check fastening penetration, applying appropriate depth into material.
 - 4.3 Adjust power regulating device for conditions.

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| | 4.4 | Perform misfire procedures in accordance with manufacturers' recommendations, legislation, regulations and codes of practice. |
| | 4.5 | Remove temporary holding and fixings. |
| 5 Maintain powder-actuated power tools and kits. | 5.1 | Check safety features of tools for serviceability in accordance with manufacturers' recommendations. |
| | 5.2 | Clean and lubricate tools to manufacturers' recommendations. |
| | 5.3 | Perform periodic maintenance service to manufacturers' specifications. |
| 6 Store powder-actuated power tools and charges. | 6.1 | Store charges in designated container in accordance with legislation, regulations and codes of practice, and record used charges. |
| | 6.2 | Store unused fasteners, tool and attachments in carry case following manufacturers' recommendations. |
| | 6.3 | Check logbook and record maintenance. |
| 7 Clean up. | 7.1 | Clean up, meeting all legislative and workplace requirements for safety, waste disposal and materials handling. |
| | 7.2 | Record safety or waste disposal discrepancies in accordance with workplace procedures. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

No equivalent unit.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCCA3027 Set up, operate and maintain indirect action powder-actuated power tools

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by setting up, operating and maintaining powder-actuated power tools and attachments to:

- fix steel framing to a steel base
- fix steel framing to a concrete base
- fix timber to a steel base
- fix timber to a concrete base.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- compliance requirements of legislation and codes of practice relevant to setting up, operating and maintaining powder-actuated power tools
- workplace quality policies and standards relevant to setting up, operating and maintaining powder-actuated power tools
- safety requirements for setting up, operating and maintaining powder-actuated power tools
- types and uses of powder-actuated power tools
- powder-actuated power tools materials
- powder-actuated power tools charges and fasteners
- equipment safety manuals and instructions
- security and storage procedures for equipment and charges.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation reflecting workplace conditions and standards, materials, equipment, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

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