

Unit of Competency CPCPGS3052

Maintain Type A gas appliances

Application

This unit specifies the skills and knowledge required to perform maintenance on certified Type A appliances. It includes appliances operating on natural gas (NG) or liquefied petroleum gas (LPG).

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Prerequisite Unit

CPCPCM2043 Carry out WHS requirements

CPCPGS3054 Calculate and install natural ventilation for Type A gas appliances

Elements and Performance Criteria

1. Identify LPG maintenance requirements.	<p>1.1 Access, read and determine Type A gas appliance maintenance requirements from job specifications, relevant Australian Standards, codes, manufacturer's specifications and jurisdictional requirements.</p> <p>1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements.</p>
2. Prepare for work.	<p>2.1 Create a materials list and collect materials.</p> <p>2.2 Select appropriate tools and equipment, including personal protective equipment (PPE).</p>
3. Conduct maintenance.	<p>3.1 Isolate appliance from services and carry out maintenance tasks.</p> <p>3.2 Test service connections to appliance.</p> <p>3.3 Commission appliance back into service.</p> <p>3.4 Identify and report faults or malfunctions unable to be rectified through basic maintenance.</p>
4. Clean up.	<p>4.1 Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures.</p> <p>4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.</p>

Foundation skills

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

Unit Mapping Information

Supersedes and is equivalent to CPCPGS3052A Maintain Type A gas appliances.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCPGS3052 Maintain Type A gas appliances

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- maintaining two different certified Type A gas appliances, including:
 - o cleaning and routine basic adjustment
 - o checking gas supply pressures
 - o inspecting flue for operation and condition
- conducting at least one carbon monoxide test
- correctly and safely applying the maintenance process.

Knowledge Evidence

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

- scope of work relating to certified Type A gas appliance maintenance
- processes, procedures and techniques for:
 - o maintaining certified Type A appliances, including:
 - o checking for adequate gas pressure
 - o cleaning and adjusting gas components such as:
 - burners
 - pilots
 - regulators
 - fans
 - temperature and pressure relief (TPR) valves
- properties of gas, gas safety, combustion principles and pressure and flow rates including carbon monoxide testing
- electrical safety and requisite precautions
- how to access relevant information, including codes and standards
- tools, materials and equipment used for the maintenance on Type A appliances
- work health and safety (WHS) requirements for the maintenance on Type A appliances.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

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

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