

1. Title	Install and connect hotplate to LPG cylinder	
2. Code	EMGAI204A	
3. Range	Use suitable materials and processes to install and connect hotplates to LPG cylinders in domestic premises, and perform testing and commissioning for them.	
4. Level	2	
5. Credits	7	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and principles of hotplate installation and connection to LPG cylinder</p> <ul style="list-style-type: none"> ◆ List and explain the structure of LPG cylinder ◆ List the requirements of storage of LPG cylinder ◆ List the methods of handling LPG cylinder leakage ◆ List the installation procedures ◆ List the inspection and testing items needed and the legal requirements ◆ List the instruction of using hotplate and the gas related safety concerns ◆ List the operating principles and key points of using different pressure gauges ◆ List the pipe connection standards and requirements <p>6.2 Methods and procedures of hotplate installation and connection to LPG cylinder</p> <ul style="list-style-type: none"> ◆ List the structure of LPG cylinder regulator ◆ List the operating principles of LPG cylinder regulator ◆ List common faults of LPG cylinder regulator and related remedial actions ◆ Identify gas leakage ◆ Use leak detection liquid to find out the leakage position ◆ Identify qualified and suitable gas tubing for use ◆ List and report on the operation condition of the hotplate according to the gas safety regulation and code of practice 	

	<ul style="list-style-type: none"> ◆ Identify the combustion condition of the hotplate and make adjustments and improvements accordingly ◆ Decide whether the hotplate is suitable for further use and explain to the customer <p>6.3 Professional knowledge and responsibilities for hotplate installation and connection to LPG cylinder</p> <ul style="list-style-type: none"> ◆ Apply all the provisions in the Gas Safety (Installation and Use) Regulations under the Gas Safety Ordinance, Cap. 51 ◆ Apply all the provisions in the Gas Utilisation Guidance Note GU01 on [Approval of Flexible Gas Tubing for Low Pressure Applications] ◆ Apply all the provisions in the Gas Utilisation Guidance Note GU05 on [Approval of Domestic Gas Appliances] ◆ Apply all the provisions in the Gas Utilisation Guidance Note GU09 on [Low Pressure Regulators for Supplying Gas from LPG Cylinders Having Less Than 40 Litres Water Capacity] ◆ Apply other gas related regulations and codes of practice
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to use suitable materials and processes to install and connect hotplates to LPG cylinders in domestic premises, and perform testing and commissioning for them.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMGADE101A 【Basic knowledge of gas application】 .</p>