

Specification of Competency Standards for the Automotive Industry
Unit of Competency

1. Title	Check and repair various types of hydraulic gas fuel supply systems
2. Code	AUSDST205A
3. Range	This unit of competency is applicable in special hydraulic gas fuel supply vehicle servicing workshops. Practitioners should be capable to check and repair various types of hydraulic gas fuel supply systems safely according to the legislative provisions under the Gas Safety Ordinance of Hong Kong and the instructions in the vehicle manufacturer's servicing manual. They should also be capable to conduct basic tests of components upon completion of work.
4. Level	2
5. Credits	6(for reference only)
6. Competency	<p align="center"><u>Performance Requirements</u></p> <p>6.1 Understand the structure and basic operating principles of various types of hydraulic gas fuel supply systems</p> <ul style="list-style-type: none"> ◆ Understand the characteristics of various kinds of hydraulic gas ◆ Understand the legislations relevant to various types of petrol gas fuel, including the safety requirements of handling hydraulic gas and repairing hydraulic gas fuel supply systems ◆ Understand the structure and basic operating principles of various types of hydraulic gas fuel supply systems ◆ Understand the working procedure of checking and repairing various types of hydraulic gas fuel supply systems ◆ Understand the impact of hydraulic gas fuel supply systems on exhaust emission

	<p>6.2 Check and repair various types of hydraulic gas fuel supply systems</p> <p>6.3 Inspect and repair various types of hydraulic gas fuel supply systems professionally</p>	<p>◆ According the legislative provisions under the Gas Safety Ordinance of Hong Kong; the instructions in the vehicle manufacturer’s manual; the requirements of occupational safety and health as well as that of environmental protection, inspect, repair and replace various types of hydraulic gas fuel supply systems, including:</p> <ul style="list-style-type: none"> • Capable to identify the general problems of various types of hydraulic gas fuel supply systems by visual inspection • Check and repair various types of hydraulic gas fuel supply systems, including dismantle, replace and re-assemble vehicle system components • Eliminate typical system failure • Conduct tests on system leakage <p>◆ According to the requirements under the legislative provisions relevant to the Gas Safety Ordinance of Hong Kong, the people empowered by legislation should be capable to perform duties of dismantling, assembling, testing, operating, connecting, intercepting, maintaining, repairing or replacing any parts of hydraulic gas fuel supply systems; fuel systems include gas fuel storage device, carburettor, pipeline, pressure regulator, mixer and related accessories</p>
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to comply with the safety regulations and code of practice relevant to vehicle hydraulic gas; and (ii) Capable to check and repair various types of hydraulic gas fuel supply systems and conduct basic tests of components upon completion of work, including leakage test.
8. Remarks	<ul style="list-style-type: none"> (i) The credits value of this unit of competency is set on the presumption that the people concerned already possess basic knowledge of vehicle mechanical servicing and know how to handle relevant hydraulic gas chemicals. (ii) The major legislations/rules involved in this unit of competency are as follows: <ul style="list-style-type: none"> 1. Road Traffic (Construction and Maintenance of vehicles) Regulations - Exhaust emission 2. Gas Safety Ordinance