

Specification of Competency Standards for the Automotive Industry
Unit of Competency

1. Title	Check and repair compressed air brake systems
2. Code	AUSDST208A
3. Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be capable to check and repair the mechanical parts of compressed air brake systems safely according to the instructions in the vehicle manufacturer's servicing manual. They should also be capable to conduct basic tests of components upon completion of work and calculate and assess the performance of compressed air brake systems according to the relevant provisions of the Road Traffic Ordinance of Hong Kong.
4. Level	2
5. Credits	3(for reference only)
6. Competency	<p align="center"><u>Performance Requirements</u></p> <p>6.1 Understand the structure and basic operating principles of compressed air brake systems</p> <ul style="list-style-type: none"> ◆ Understand the structure and basic operating principles of compressed air brake systems ◆ Understand the general checking and repairing procedure for compressed air brake systems according to the instructions in the vehicle manufacturer's servicing manual and the requirements of the relevant road traffic ordinances of Hong Kong

	<p>6.2 Check and repair compressed air brake systems ♦ According to the instructions in the vehicle manufacturer’s servicing manual and the requirements of occupational safety and health as well as that of environmental protection, safely check and repair compressed air brake systems, including:</p> <ul style="list-style-type: none">• Capable to identify the general problems in compressed air brake systems by visual inspection• Accurately measure the wear and tear of the brake pad, disc brake and drum brake; and correctly assess the condition of components according to the data contained in the manufacturer’s servicing manual• Accurately check and rectify the air leakage in the compressed air systems• Check and rectify the leakage in the compressed air systems• Check and repair compressed air brake system components, including dismantle, replace and re-assemble vehicle system components• Clean and dispose the brake pad dust according to safety rules and the code of practice for environmental protection• Eliminate typical system failure
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	<p>6.3 Check and repair compressed air brake systems professionally ♦ Capable to calculate and assess if the testing data of compressed air brake systems can meet the prescribed requirement according to the relevant provisions of the Road Traffic Ordinance of Hong Kong</p>
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to check and repair the compressed air brake systems of general vehicles safely according to the instructions in the vehicle manufacturer's servicing manual; and (ii) Capable to calculate and assess the performance of compressed air brake systems according to the relevant provisions of the Road Traffic Ordinance of Hong Kong.
<p>8. Remarks</p>	<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. (ii) The major legislation/rule involved in this unit of competency is as follows: <ul style="list-style-type: none"> 1. Road Traffic (Construction and Maintenance of vehicles) Regulations - Brakes, Parking brake, Vacuum or pressure braking systems and Braking efficiency