

Specification of Competency Standards for the Automotive Industry
Unit of Competency

1. Title	Check and repair vehicle suspension systems
2. Code	AUSDST210A
3. Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be capable to check and repair the mechanical parts of vehicle suspension 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.
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 vehicle suspension systems</p> <ul style="list-style-type: none"> ◆ Understand the structure and basic operating principles of various types of vehicle suspension systems ◆ With reference to the instructions in the vehicle manufacturer’s servicing manual and the requirements of relevant provisions under the Road Traffic Ordinance of Hong Kong, understand the general checking and repairing procedure for vehicle suspension systems <p>6.2 Check and repair vehicle suspension systems</p> <ul style="list-style-type: none"> ◆ 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 vehicle suspension systems, including: <ul style="list-style-type: none"> • Capable to identify the general problems in vehicle suspension systems by visual inspection

	<ul style="list-style-type: none"> • Accurately test and assess the performance of vibration dampers • Safely dismantle and install the springs after accurate assessment of the pressure storage condition • Check and repair vehicle suspension system components, including dismantle, replace and re-assemble vehicle system components • Eliminate typical system failure
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to check and repair general vehicle suspension systems safely according to the instructions in the vehicle manufacturer’s servicing manual; and</p> <p>(ii) Capable to conduct basic tests of components upon completion of work.</p>
8. Remarks	<p>(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.</p> <p>(ii) The major legislation/rule involved in this unit of competency is as follows:</p> <ol style="list-style-type: none"> 1. Road Traffic (Construction and Maintenance of vehicles) Regulations - Suspension