

Specification of Competency Standards for the Automotive Industry
Unit of Competency

1. Title	Check and repair engines
2. Code	AUSDST203A
3. Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be capable to check and repair vehicle engines 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	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 vehicle engines</p> <ul style="list-style-type: none"> ◆ Understand the structure and basic operating principles of vehicle engines ◆ Understand the working procedure for checking and repairing of engines <p>6.2 Check and repair vehicle engines</p> <ul style="list-style-type: none"> ◆ Check and repair vehicle engines safely according to the instructions in the vehicle manufacturer's servicing manual and the requirements of occupational safety and health as well as environmental protection, including: <ul style="list-style-type: none"> • Capable to identify the general problems of the engines by visual inspection • Measure the engine components accurately according to the instructions in the vehicle manufacturer's servicing manual and report the wear and tear condition of engine components

	<ul style="list-style-type: none"> • Check and repair vehicle engines, including dismantle, replace and re-assemble the engines • 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 vehicle engines safely according to the instructions in the vehicle manufacturer’s servicing manual; and</p> <p>(ii) Capable to measure the engine components accurately and assess the wear and tear condition.</p>
8. Remarks	<p>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 the capability to use precision measuring tools for vehicle servicing.</p>