

**Specification of Competency Standards for the Automotive Industry**  
**Unit of Competency**

1. Title	Check and repair vehicle transmission systems
2. Code	AUSDST211A
3. Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be capable to check and repair various types of vehicle transmission 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	9(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 transmission systems</p> <ul style="list-style-type: none"> <li>◆ Understand the structure and basic operating principles of various types of vehicle transmission systems and components, including automatic and manual gearboxes as well as differential mechanisms, etc.</li> <li>◆ Understand the operating principle of speed loss test for automatic transmission systems</li> <li>◆ Understand the working procedure of checking and repairing transmission systems</li> </ul>

	<p>6.2 Check and repair vehicle transmission 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 inspect, repair and replace various kinds of vehicle transmission systems, including:</p> <ul style="list-style-type: none"> <li>• Capable to identify the general problems in various types of vehicle transmission systems by visual inspection</li> <li>• Conduct speed loss test for automatic transmission system and assess the result</li> <li>• Check and repair transmission systems, including dismantle, replace, overhaul and re-assemble the clutch, various kinds of gearboxes, drive shafts and differential mechanism</li> <li>• Eliminate typical system failure</li> </ul>
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to check and repair general vehicle transmission 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, such as speed loss test.</p>
<p>8. Remarks</p>	<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 know how to handle various kinds of transmission system fluids.</p>