

Specification of Competency Standards for the Automotive Industry
Unit of Competency

1. Title	Dismantle and replace various kinds of vehicle electric systems and accessories
2. Code	AUSDST101A
3. Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be capable to dismantle, replace and re-assemble the components of vehicle electric systems under instruction in routine working environment and conduct tests on basic components upon completion of work.
4. Level	1
5. Credits	9(for reference only)
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about the components of general vehicle electric systems</p> <ul style="list-style-type: none"> ◆ Understand the names, formation and functions of general vehicle systems and their components ◆ Understand the names, location and functions of the components of general vehicle electric systems ◆ Understand basic electrical and electronic theory, and capable to check the circuit systems/components by general electrical tools or equipment ◆ Understand the procedure of dismantling, replacing and re-assembling components of general vehicle electric systems

	<p>6.2 Dismantle, replace and re-assemble the components of general vehicle electric systems</p> <p>◆ In accordance with instructions, capable to dismantle, replace and re-assemble the components of general vehicle electric systems and their accessories under supervision in a familiar working environment, such as:</p> <ul style="list-style-type: none"> • Battery, starting and charging systems • Lighting, signals and meter instrument systems • Wiper, electric window and central lock systems • Anti-theft, audio and visual system • Air-conditioning and ventilation systems • Electronic control systems • Other related systems
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to describe the names, formation, location and functions of various kinds of vehicle electric systems and components correctly; and</p> <p>(ii) Capable to dismantle, replace and re-assemble the components of general vehicle electric systems correctly in routine working environment and under supervision.</p>
8. Remarks	<p>The credits value of this unit of competency is set on the presumption that the person concerned already possesses the skills of using general vehicle servicing tools and the maintenance of electric appliances.</p>