

Specification of Competency Standards
for the Automotive Industry
Unit of Competency

Functional Area - Vehicle Servicing

Title	Remove and replace commercial vehicle chassis units and components
Code	108687L2
Range	This unit of competency is applicable in commercial Vehicle servicing workshops. Practitioners should be able to remove and replace commercial Vehicle chassis units and components safely according to the instructions in the commercial Vehicle manufacturer's service manual and the relevant requirements on environment, occupational safety and health regulations. They should also be able to conduct basic tests on components upon completion of work and providing written report.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Structure and basic operating principles of commercial Vehicle chassis units and components)</p> <ul style="list-style-type: none"> • Understand the structure and basic operating principles of commercial Vehicle chassis units and components such as (mechanical, electrical, hydraulic and fluid, pneumatic powered): <ul style="list-style-type: none"> ○ Steering systems ○ Suspension systems ○ Braking systems • Understand the general remove and replace procedure for the components according to the instructions in the commercial Vehicle manufacturer's service manual • Understanding of the relevant legal requirements on road & vehicle safety, and environment protection. <p>2. Performance (Remove and replace commercial Vehicle chassis units and components)</p> <ul style="list-style-type: none"> • According to the instructions in the commercial Vehicle manufacturer's servicing manual and the requirements of occupational safety and health as well as that of environmental protection, safely remove and replace commercial Vehicle chassis units and components, including: <ul style="list-style-type: none"> ○ Capable of identifying the general problems in commercial Vehicle chassis units and components by visual inspection ○ Functional test of each chassis units and components ○ Eliminate typical system failure • Conduct performance and safety inspection after the work and provide written report focusing on: <ul style="list-style-type: none"> ○ Abnormalities ○ Measured data ○ Major decisions
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are that the practitioner being assessed shall prove that he/she is:</p> <ul style="list-style-type: none"> • Capable of removing and replacing commercial vehicle chassis units and components safely according to the instructions in the commercial Vehicle manufacturer's servicing manual and the relevant requirements on environment, occupational safety and health regulations; and • Capable of conducting basic tests on components upon completion of work with written report.

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Remark	<p>The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed basic knowledge of commercial Vehicle mechanical servicing.</p> <p>The major legislation/code involved in this unit of competency is as follows:</p> <ul style="list-style-type: none">• Road Traffic (Construction and Maintenance of vehicles) Regulations
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