

Specification of Competency Standards
for the Automotive Industry
Unit of Competency

Functional Area - Vehicle Servicing

Title	Check, repair and replace tyres
Code	108646L2
Range	This unit of competency is applicable in vehicle servicing workshops or workplaces that provide tyre services. Practitioners should be able to check, mend, repair and replace vehicle tyres or rims safely according to the instructions in the vehicle/tyre/rim manufacturer's manual. They should also be capable of conducting 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 the tyres and rims of vehicles)</p> <ul style="list-style-type: none"> • Understand the structure, codes and basic operating principles of the tyres and rims of vehicles. • Understand the general tools used in checking and servicing for the tyres and rims of vehicles with the instructions given by the vehicle or tyre or rim manufacturer. • Understand the general checking and servicing procedure for the tyres and rims of vehicles with the instructions given by the vehicle or tyre or rim manufacturer. • Understanding of the relevant legal requirements on road and vehicle safety and environment protection. <p>2. Performance (Check, repair, replace and handle the tyres and rims of vehicles)</p> <ul style="list-style-type: none"> • According to the instructions in the vehicle or tyre manufacturer's manual, the requirements of relevant road traffic ordinances, safety and health as well as environmental protection, safely check, mend, repair and replace the tyres or rims of vehicles, including: <ul style="list-style-type: none"> ○ Inflate the tyres pressure correctly according to the information and instructions provided by vehicle manufacturers ○ Accurately measure the wear of tyres to make correct assessment of tyre condition ○ Accurately detect and assess tyre leakage condition for mending work to be done ○ Accurately check and test damages of rims and measure the out-of-roundness to make correct assessment of rim condition ○ Use tyre changer to remove, replace and install tyres and rims correctly ○ Use wheel balancer to rectify wheel balance • Install the tyres correctly according to tyre manufacturer's guide and the requirements of the Road Traffic Ordinances of Hong Kong. • Collect, recover, re-tread, re-groove, handle and dispose used tyres according to the code of practice for environmental protection and Dangerous Goods Ordinance. • Measure and assess tyres wear according to relevant provisions of the Road Traffic Ordinance of Hong Kong. • Identify whether the combinations of tyres on vehicle meeting the requirement prescribed. • Check the relevant vehicle components are normal by visual inspection when installing or removing the tyres. • Conduct performance and safety inspection after the work and provide written report focusing on: <ul style="list-style-type: none"> ○ Abnormalities

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	<ul style="list-style-type: none"> ○ 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 checking and repair general vehicle tyres and rims safely according to the instructions in the manufacturer’s servicing manual and providing written report; • Capable of checking, measure and assess the condition of vehicle tyres and check for the combinations of tyres on vehicle to meet the requirement prescribed according to relevant provisions of the Road Traffic Ordinance; and • Capable of disposing used tyres according to environmental protection legislations and the organisational requirement on environmental protection.
Remark	<p>The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed basic knowledge on vehicle. They should also possess the capability to operate floor jacks or lifting equipment to lift the vehicles as well as remove and install the road wheels.</p> <p>The major legislations/rules involved in this unit of competency are as follows:</p> <ul style="list-style-type: none"> • Road Traffic (Construction and Maintenance of vehicles) Regulations - Tyres • Waste Disposal Ordinance • Dangerous Goods Ordinance