

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

Functional Area - Vehicle Servicing

Title	Check and repair vehicle anti-theft, audio and video systems
Code	108654L2
Range	This unit of competency is applicable in vehicle servicing workshops. Practitioners should be able to check, repair and replace vehicle anti-theft, audio and video systems safely according to the instructions in the servicing manual provided by vehicle manufacturer or parts supplier. They should also be able to conduct basic adjustments and tests on components upon completion of work.
Level	2
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Structure and basic operating principles of vehicle anti-theft, audio and video systems)</p> <ul style="list-style-type: none"> <li>• Understand the requirements of local legislative provisions in relation to vehicle anti-theft, audio and video systems.</li> <li>• Understand the circuit and basic operating principles of vehicle anti-theft, audio and video systems.</li> <li>• Understand basic radio, video and electrical theories.</li> <li>• With reference to the instructions in the servicing manual provided by vehicle manufacturer or parts supplier, know about the general checking and repairing procedure for vehicle anti-theft, audio and video systems.</li> <li>• Understanding of the relevant legal requirements on road and vehicle safety and environment protection.</li> </ul> <p>2. Performance (Check and repair vehicle anti-theft, audio and video systems)</p> <ul style="list-style-type: none"> <li>• According to the instructions in the servicing manual provided by vehicle manufacturer or parts supplier and the requirements of occupational safety and health as well as that of environmental protection, safely check, repair, adjust and replace vehicle anti-theft, audio and video systems etc., including: <ul style="list-style-type: none"> <li>○ Capable of identifying the common faults in the components of vehicle anti-theft, audio and video systems by visual inspection</li> <li>○ Use general tools and instruments to check and measure vehicle anti-theft, audio and video systems as well as rectify typical system faults</li> <li>○ According to inspection result, handle the parts of vehicle anti-theft, audio and video systems as well as circuit systems, including dismantle, replace, re-assemble and adjust relevant system components and accessories</li> <li>○ According to instructions, adjust and test the operation and effectiveness of vehicle anti-theft, audio and video systems</li> </ul> </li> <li>• Conduct performance and safety inspection after the work and provide written report focusing on: <ul style="list-style-type: none"> <li>○ Abnormalities</li> <li>○ Measured data</li> <li>○ Major decisions</li> </ul> </li> <li>• Capable of testing the vehicle anti-theft, audio and video systems in accordance with relevant local legislative provisions to check if they can meet the requirements.</li> <li>• Handle anti-theft systems according to security rules and regulations.</li> </ul>
Assessment Criteria	The integrated outcome requirements of this unit of competency are that the assessee shall prove that he/she is:

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	<ul style="list-style-type: none"><li>• Capable of checking and repairing general vehicle anti-theft, audio and video systems safely according to the instructions in the servicing manual provided by vehicle manufacturer or parts supplier;</li><li>• Capable of conducting basic adjustments and tests on components upon completion of work and providing written report;</li><li>• Capable of assessing if the vehicle anti-theft, audio and video systems meet the requirements as specified under relevant regulations/ordinances of Hong Kong and the vehicle manufacturer's servicing manual.</li></ul>
Remark	The credits value of this unit of competency is set on the presumption that the assessee concerned has already possessed basic knowledge of vehicle electronic and electrical system servicing.