Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Servicing

Title	Inspect and overhaul motorcycle mechanical units
Code	111731L3
Range	This unit of competency is applicable in motorcycle service workshops. Practitioners should be able to inspect and overhaul motorcycle mechanical units safely according to the instructions in the motorcycle manufacturer's service manual. They should also be capable of conducting safety inspections, and providing inspection report upon completion of work.
Level	3
Credit	6 *(For Reference Only)*

Competency	**Performance Requirements**
	
	1. Knowledge (Structure and operating principles of motorcycle mechanical units, the inspection and overhaul work)
	• Master the structure of motorcycle mechanical units, such as:
	  ○ Engine and respective sub-systems
	  ○ Drivetrain system
	  ○ Steering systems
	  ○ Suspension systems
	  ○ Chassis assemblies
	• Familiarise the inspection and overhaul work, including:
	  ○ Dismantling
	  ○ Assessment
	  ○ Repair or recondition
	  ○ Replacement
	  ○ Adjustment of internal components
	  ○ Reassembly
	  ○ Functional testing
	• Master the application and use of special service tools and equipment for the system / component serviceability and functional checking.
	• Master the inspection and overhaul procedures and the specifications of motorcycle mechanical units with reference to the instructions in the motorcycle manufacturer's service manual.
	• Understand the relevant legal requirements on road and vehicle safety, and environmental protection.

	2. Performance (Inspect and overhaul motorcycle mechanical units)
	• According to the specifications and instructions in the motorcycle manufacturer's service manual and the requirements of occupational safety and health as well as that of environmental protection, safely inspect and overhaul motorcycle mechanical units, including:
	  ◦ Inspect the function and serviceability of motorcycle mechanical systems and associated components using special service tools and equipment
	  ◦ Repair or recondition the faulty components to comply with serviceable standards
	  ◦ Eliminate system faults and safety failures
	• Conduct performance test and safety inspection after the work and provide an inspection report, emphasizing:
	  ◦ Abnormalities
	  ◦ Measuring data
	  ◦ Major decision

Assessment Criteria	The integrated outcome requirements of this unit of competency are that the practitioner being assessed shall prove that he/she is: • Capable of inspecting the function and serviceability of motorcycle mechanical systems and associated components using special service tools and equipment. • Capable of overhauling the faulty mechanical units/components safely to comply with serviceable standards with reference to the instructions in the motorcycle manufacturer's service manual and relevant legal requirements; and • Capable of conducting safety inspections of the mechanical systems and all components and providing inspection report upon completion of work.
Remark	The credit value of this unit of competency is set on the presumption that the practitioner concerned already possesses knowledge of motorcycle mechanical units. The major legislation/rule involved in this unit of competency is as follows: • Road Traffic (Construction and Maintenance of Vehicles) Regulations • Occupational Safety and Health Ordinance • Environmental Protection Ordinance and related Code of Practice • (This UoC replaced 108682L2)