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| Title | **Perform preventive maintenance** | | |
| Level | **2** | **Credits** | **8** |

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| Purpose | This Competency Standard identifies the competencies required to perform preventive maintenance, at workplace by Automobile Mechanic, in accordance with the organization’s approved guidelines and procedures. You will be expected to Verify vehicle specific maintenance schedule, Conduct under vehicle inspection, Inspect all lubricants of the vehicle and conduct road test at all times, at workplace. Your underpinning knowledge regarding preventive maintenance will be sufficient to provide you the basis for your work. |

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| Classification ISCED | 0716 Motor vehicles, ships and aircraft |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

| **Unit of Competency** | **Performance Criteria** | **Knowledge & Understanding** | **Tools & Equipment** |
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| B1. Verify vehicle  specific maintenance  schedule | You will be able to:  P1. Record time period/ millage of vehicle for maintenance schedule  P2. Implement the maintenance schedule as per requirement | You will be able to:  K1. Explain the periodic maintenance schedule and its importance | Repair manual |
| B2. Conduct under vehicle inspection (e.g., exhaust system, fluid leaks) | You will be able to:  P1. Arrange tools and equipment required for vehicle inspection  P2. Follow organizational guidelines for inspection of vehicle  P3. Follow safety precautions at workplace | You will be able to:  K1. Explain the usage of tools and equipment for vehicle inspection  K2. Read and interpret repair manual  K3. Explain the safety precautions regarding personal health and workplace | Lifts, jacks, spanners, wrenches, hammers, socket set, screw driver, plier, filter spanner, special service tool (SST), PPEs |
| B3. Inspect all lubricants of the vehicle | You will be able to:  P1. Record the time period/millage of vehicle for lubricant maintenance schedule  P2 Inspect the following lubricants according to repair manual :   * Transmission fluid * Brake/clutch fluid * Engine oil * Power stirring fluid * Suspension fluid * Differential fluid   P3. Follow safety precautions at workplace | You will be able to:  K1. Describe the usage of lubricants used in vehicle  K2. Explain the levels and grading of lubricants  K3. Identify the bad effects of lubricants on human health and environment e.g: brake fluid, used engine oil  K4. Explain the storage and disposal of lubricants  K5. Read and interpret repair manual | Spanners, socket set, oil filler gun, oil transfer equipment, funnel, repair manual |
| B4. Conduct road test of vehicle | You will be able to:  P1. Follow the organizational policy regarding road test  P2. Verify the followings on road test following organizational guidelines:   * Function of gauges * Drivability performance * Tracking performance * Braking performance * Noises * Vibrations * Engine performance   P3. Follow safety precautions while driving | You will be able to:  K1. Explain organizational rules, regulations and policies regarding road test  K2. Describe organizational standard operating procedures (SOPs)  K3. Explain the function of gauges  K4. Explain how to check the performance of vehicle  K5. Identify different types of noises and vibrations  K6. Explain local driving laws | Scanner, seat covers protector, steering wheel cover, hand brake cover, gear lever cover, floor matts, driving license |