# Unit L1AM07: Spark Ignition Engine Fuel System Components and Maintenance

## Practical Support Material: Spark Ignition Engine Fuel System Maintenance

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| Vehicle Details | | | |
| Reg No: |  | Approx. Year: |  |
| Make: |  | Model: |  |
| Eng/VIN no: |  | | |

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| --- | --- | --- |
| Customer request: | | [Tick tasks carried out ✓] |
| 1. Remove and replace a SI fuel filter | |  |
| 1. Remove, inspect and replace an air filter | |  |
| 1. Remove, inspect, and replace a carburettor or fuel injector | |  |
| 1. Check engine idle speed and air/fuel mixture | |  |
| 1. State to your assessor 4 hazards that are associated with working on SI vehicle fuel systems | |  |
| Brief description of work carried out and recommendations for repair: | | |
|  | | |
| PPE work and special precautions taken: | Technical data used to complete task: | [Tick ✓] |
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|  |  |
| Special tools used including any calibration required: | Further faults found: | |
|  |  | |

## Practical Support Material Assessor Record: Spark Ignition Engine Fuel System Maintenance

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| --- | --- |
| Learning Outcome/Assessment Criteria | Passed [Tick ✓] |
| 1. **Know about SI engine fuel systems**    1. Identify the main components used in SI engine fuel systems    2. State the purpose of the main components used in SI engine fuel systems |  |
| 1. **Know how SI engine fuel systems operate**    1. State the operating principles of SI engine fuel systems |  |
| 1. **Know how to carry out routine maintenance to SI engine fuel systems**     1. State how to remove, inspect and replace SI engine fuel system components |  |
| 1. **Be able to carry out routine maintenance on SI engine fuel systems**    1. Work safely during SI fuel system maintenance    2. Select and use the correct technical data, tools, and equipment for routine maintenance of SI engine fuel systems    3. Demonstrate the correct procedures when: 2. removing and replacing a fuel filter 3. removing, inspecting and replacing an air filter 4. removing, inspecting, and replacing a carburettor or fuel injector 5. checking engine idle speed and air/fuel mixture |  |

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|  | Tick [✓] | Written feedback (with reference to the Assessment Criteria) must be given when a learner is referred: | | |
| **PASS**  I confirm that the learner’s work was to an acceptable standard and met the Assessment Criteria of the unit |  |  | | |
| **REFER**  The work carried out did not achieve the standards specified by the Assessment Criteria *(*written feedback to learner) |  |  | | |
| Assessor’s Name [Print]: | | Assessor’s PIN: | | Date: |
|  | |  | |  |
| The section below is only to be completed once the assessor’s decision has been made and feedback given to the learner: | | | | |
| The section below is to be completed by the learner: | | | | |
| I confirm that the work carried out was my own, and that I received feedback from the assessor | | Learner’s Name: | Learner’s Signature: | Date: |
|  |  |  |