SEG Awards Level 2

Motor Vehicle Studies

**Underpinning Knowledge Evidence Record**

Y/601/5424 Knowledge of Removing and Fitting Motor Mechanical, Electrical and Trim (MET) Components to Vehicles

|  |  |
| --- | --- |
| **Learners Name** |  |
| **SEG Awards Registration Number** |  |
| **Centre Name** |  |
| **Assessor 1 Name**  |  |
| **Assessor 2 Name**  |  |

**DECLARATION OF AUTHENTICITY**

This declaration must be completed and signed by the learner and countersigned by the tutor / assessor and covers all evidence submitted for moderation.

|  |  |
| --- | --- |
| Learner Name |  |
| Unique Learner Number (ULN) |  | SEGLearner Reg. ID |  |
| Qualification Title |  |
| Centre Name |  |

# Learner statement of authenticity

**Before signing please read the guidance below**.

I confirm, that the attached assignment / portfolio is all my own work[[1]](#footnote-1) and does not include any work completed by anyone other than myself. I have completed the assignment / portfolio in accordance with SEG Awards’ instructions and within the time limits set by my centre.

|  |  |  |  |
| --- | --- | --- | --- |
| Signature |  | Date |  |

# Centre confirmation of authenticity

On behalf of …………………………………….(insert centre name), I confirm that the above mentioned learner, to the best of my knowledge, is the sole author of the completed assignment / portfolio attached, and the assessments have been completed under the required conditions.

|  |  |  |  |
| --- | --- | --- | --- |
| Signed |  | Date |  |
| Name |  |
| Title |  |

**Guidance for Learners**

You have been asked to sign this Declaration of Authenticity and place it at the front of your portfolio or course work assessment. It confirms that the work you have submitted for assessment is your own and that you have not copied it from someone else or allowed another learner to copy it from you.

When preparing any course work it is good practice to undertake research using information from published sources. If you quote directly from these sources then this must be indicated in your work by using quotation marks and referencing the document from which the quotation was taken. You must then comment in your own words on any ideas expressed.

Assessors, internal verifiers and SEG Awards’ external moderators and verifiers are subject specialists who can spot the use of published materials that may be passed as your own words or ideas.

If you do copy words from a published source and do not indicate their reference you will be committing plagiarism. This is considered a form of cheating and may result in your assessment being declared void.

**Contents**

|  |  |  |
| --- | --- | --- |
| **Task No** | **Title** | **Assessment Criteria** |
| 1 | Procedures for removing and re-fitting MET components | 1.1, 1.2, 1.3, 1.4, 1.10, 2.2, 2.3, 2.4, 2.9 |
| 2 | Fastenings and fixings | 1.5, 1.6, 2.5 |
| 3 | Quality checks | 1.7, 1.8, 1.9, 2.6, 2.7, 2.8 |

|  |  |
| --- | --- |
| **Task 1 - Procedures for removing and** **Re-fitting MET components** | **Assessment Criteria 1.1, 1.2, 1.3, 1.4, 1.10, 2.2, 2.3, 2.4, 2.9** |

|  |
| --- |
| **During inspection pre-existing damage has been found on a vehicle in the following locations:*** **near-side front wing**
* **off-side rear passenger door**
* **centre of front windscreen**
* **off-side front wheel rim**

**Mark on the diagram below the locations (using X) of the damage**  |
| **Vehicle Body Report** | **Explain who you would report this damage to** |
| Front Rear |  |
| **Using a technical resource find the correct procedure for the removal and fitting of one of the items below**  |
| **Components and non permanently fixed panels to be removed and re-fitted** | **Selected Item** ✔ | **Indicate Sources of Information Used** |
| Manual✔ | Autodata✔ | Thatcham eScribe✔ | Internet✔ | Other(State) |
| Bumpers  |  |  |  |  |  |  |
| Headlamp units  |  |  |  |  |  |  |
| Road wheels |  |  |  |  |  |  |
| Batteries |  |  |  |  |  |  |
| Bonnet and boot trim |  |  |  |  |  |  |
| Interior trim components |  |  |  |  |  |  |
| Exterior trim components |  |  |  |  |  |  |

|  |
| --- |
| **Explain the procedures involved in the removal and refitting of the selected Item** |
|  |
| **Explain the procedures involved in working with gas discharge headlamp systems** (include any special precautions or procedures) |
|  |
| **Identify the procedures and precautions you would use when working with supplementary safety systems (e.g. SRS, Airbag)** |
|  |
| **Light Vehicle Component/Panel Storage** |
| **Components to be removed and re-fitted** | **Explain the correct storage method** |
|
| Bumpers  |  |
| Headlamp units  |  |
| Road wheels |  |
| Batteries |  |
| Bonnet and boot trim |  |
| Interior trim components |  |
| Exterior trim components |  |

|  |  |
| --- | --- |
| **Task 2 - Fastenings and fixings** | **Assessment Criteria 1.5, 1.6, 2.5** |

|  |
| --- |
| **Identify different types of fastenings and fixings used when removing and re-fitting the chosen MET component** |
| **Body Mechanical/Electrical**  | **Trim** |
| **Type** | **Where Used** | **Type** | **Where Used** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **From the list of fixings above explain the reasons for the use of the different types of fasteners and fixings**  |
|  |

|  |  |
| --- | --- |
| **Task 3 - Quality checks** | **Assessment Criteria 1.7, 1.8, 1.9, 2.6, 2.7, 2.8** |

|  |
| --- |
| **Alignment and Quality Checks** |
| **Explain the following:** |
| **How to correctly align chosen components** |  |
| **Reasons for correct alignment** |  |
| **List the quality checks associated with:** |
| **1 Electrical component** |  |
| **1 Mechanical component** |  |
| **1 Trim component** |  |
| **Identify correct conformity of vehicle systems against vehicle specification (e.g. legal requirements)** |
|  |

1. Unless otherwise stated e.g. for some entry level qualifications, learners can work together but should identify sections which are their own work. [↑](#footnote-ref-1)