
Unit 153: Knowledge of light vehicle electrical units and components

Handout 1: Safe and correct working procedures

Working in a safe manner

When working on electrical units and components, it is important to work in a safe manner and comply with the relevant health and safety requirements. You must also ensure that you use the appropriate personal protective equipment. Unit 051 covers the main items of health and safety, and you may already have completed this unit. If you have not, or as a form of revision, it is recommended that you look at **Handouts 1 – 3 from Unit 051** to remind you of these requirements.

Where there are specific safe working procedures when working on these systems, then they are covered in the handouts for the relevant sections of this unit.

Use of relevant information

When working on electrical units and components, you need to refer to the relevant information to ensure that you adopt the safe and correct working procedures. Part of Unit 053 covers the main types and use of information and you may already have completed this unit. If you have not, or as a form of revision, it is recommended that you look at **Handout 2 from Unit 053** to remind you of the various types and methods.

Where there is a need for the use of specific information for working on these systems, then it will be covered in the handouts for the relevant sections of this unit.

Correct and safe use of tools and equipment

When working on electrical units and components, you need to be aware of the correct and safe use of tools and equipment. Part of Unit 151 covers the safe and correct use of general tools and equipment and you may already have completed this unit. If you have not, or as a form of revision, it is recommended that you look at **Handout 3 from Unit 151** to remind you of the correct procedures.

Where the correct and safe use of specific tools and equipment for when working on these systems is required, then it will be covered in the handouts for the relevant sections of this unit. Also, remember that with many vehicles, disconnecting the battery or some electrical equipment can affect the operation of the ECU and other components. It is important that you are aware of the correct procedure before disconnecting any equipment.

Vehicle protection

When working on electrical units and components, you need to ensure that you do not damage the vehicle; wherever possible you should use vehicle protection kits to protect. Part of Unit 051 covers vehicle protection and you may already have completed this unit. If you have not, or as a form of revision, it is recommended that you look at **Handout 1 from Unit 051** to remind you of the precautions to take.

Making recommendations

When working on electrical units and components you may identify additional work that is required and this will need to be reported to the customer.

Part of Unit 151 making recommendations and you may already have completed this unit. If you have not, or as a form of revision, it is recommended that you look at **Handout 5 from Unit 151** to remind you of the correct procedures.