

Health and Safety – Motor Vehicle Studies

Unit Reference	H/501/7005
Level	1
Credit Value	4
Guided Learning Hours	40
Unit Summary	In this mandatory unit learners will explore the responsibility of the employer and employee and the requirements of basic health and safety legislation. They will identify workshop hazards and basic safety procedures.
Learning Outcomes (1 to 5) <i>The learner will</i>	Assessment Criteria (1.1 to 5.2) <i>The learner can</i>
1. Know health and safety procedures and the responsibilities of employers and employees	1.1 Identify personal responsibilities and the responsibilities of others in the working environment 1.2 Identify and use correctly equipment and procedures provided for health and safety in the workplace 1.3 Demonstrate good housekeeping routines in the working environment
2. Know about PPE	2.1 Select and use correct Personal Protective Equipment
3. Know about COSHH	3.1 Identify four substances hazardous to health according to current regulations 3.2 Demonstrate appropriate ways to dispose of waste products in accordance with environmental guidance
4. Know about safe manual handling	4.1 Know the principles of safe manual handling 4.2 Demonstrate safe manual handling using appropriate equipment
5. Know about fire prevention and emergency procedures	5.1 Identify the principles of fire prevention 5.2 Identify the type and location of fire extinguisher(s) in the working area 5.3 State the procedure to follow in the event of an emergency evacuation

Introduction to Spark Ignition Power Units

Unit Reference	T/501/7011
Level	1
Credit Value	4
Guided Learning Hours	40
Unit Summary	In this unit the learner will find out about the main components of an engine, the operating principles of the four stroke spark ignition engine and the function of gaskets, seals and locking devices
1. Work safely	1.1 Use safe working practices when working on spark ignition power units
2. Know about components of a spark ignition engine	2.1 Identify the major components of the spark ignition engine 2.2 Using methodical procedures, dismantle and reassemble the main components of a four stroke spark ignition engine
3. Know about sealing and locking devices used upon spark ignition engines	3.1 Identify the most common sealing devices used on spark ignition engines to seal: <ul style="list-style-type: none">• Oil• Water• Gas
1. Work safely	1.1 Use safe working practices when working on spark ignition power units
2. Know about components of a spark ignition engine	2.1 Identify the major components of the spark ignition engine 2.2 Using methodical procedures, dismantle and reassemble the main components of a four stroke spark ignition engine
3. Know about sealing and locking devices used upon spark ignition engines	3.1 Identify the most common sealing devices used on spark ignition engines to seal: <ul style="list-style-type: none">• Oil• Water• Gas

Introduction to Vehicle Inspection

Unit Reference	D/501/7018
Level	1
Credit Value	4
Guided Learning Hours	40
Unit Summary	In this unit the learner will learn the different types of vehicle inspections and how to carry out each to a specification. They will find out about the reasons for using and completing service records
1. Work safely	1.1 Use safe working practices when undertaking routine vehicle inspection
2. Know about periodic vehicle inspections	2.1 Identify key periodic inspections that should be performed on a vehicle and the main reasons for carrying them out. 2.2 Perform straightforward periodic maintenance to include checking and reporting on: <ul style="list-style-type: none"> • Engine oil level • Coolant level • Tyre condition, pressure and tread depth • Operation of all external lights • Screen washer fluid level • Brake/clutch fluid reservoir level
3. Know about professional pre-sale vehicle inspection schedules	3.1 Identify key pre delivery inspections that would be undertaken by a professional vehicle retailer on a new vehicle and the main reasons for carrying them out 3.2 Identify key pre delivery inspections that would be undertaken by a professional vehicle retailer on a used vehicle and the main reasons for carrying them out 3.3 Perform straightforward pre-sale inspection on a used vehicle to include checking and reporting on <ul style="list-style-type: none"> • Engine oil level • Coolant level • Tyre condition, pressure and tread depth • Operation of all external lights • Screen washer fluid level • Condition of seatbelts • Foot pedal and handbrake lever travel • Driver information warning lights • Condition of interior and exterior body, paint and trim • Operation and condition of in car entertainment • Vehicle and passenger comfort systems • Vehicle security system • Vehicle documentation 3.4 Employ industry standard documentation to identify findings of vehicle inspections