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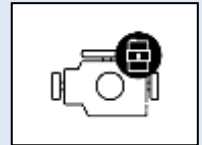


Motor Vehicle Studies: Spark Ignition Power Units



Unit Outline

Pupils will use tools and equipment to remove and inspect Major components from the SI Power Units Using Methodical Procedures, Dismantle and Reassemble the main Components of a 4 Stroke SI engine. They will also learn the need to recycle components legally and for the environment.










Essential skills to Consolidate.

To Work Safely in all we do.
Remove and inspect Major components from the SI Power Units
Dismantle and reassemble a 4 Stroke SI engine.
Safety checks.
Correct disposal through recycling.

Extra skills to Stretch our consolidators.

Pupils can remove and inspect Major components from a motorcycle.
Pupils can dismantle and reassemble a 4 Stroke SI engine from a motorcycle.

Tools and equipment that you will use within this unit

Socket set 
 2 post ramp 
 General tools 
 Drain trays 
 Torque wrench 
 Air Tools 
 PPE 

Key vocabulary to Consolidate.

Safety observation precision Recycle

Key vocabulary to Stretch our consolidators.

Correct Fitment 2 Stroke Valve timing

Assessment

Pupils will be regularly assessed to evaluate their progression. Observation of pupil ability and progression will be tracked.

Progression

This unit will provide suitable scaffolding of skills for future vocational curriculum. The work in this unit will support the pupils' maths and English progression. To practice essential skills such as safety with tools, patience, and perseverance, supporting their learning elsewhere. Pupils will have gained an increased knowledge of jobs within industry and this knowledge will help to form their opinions of what they might like to do in the future.

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