

Assessment Requirements

Unit VF09K – Knowledge of Inspection and Replacement of Light Vehicle Exhaust Components

Content

Tools and equipment.

- a. Oxy-acetylene cutting equipment
- b. Lifting and supporting equipment
- c. Hand tools
- d. Special purpose tools – exhaust chain cutter, exhaust flaring dolly, thread cutting taps and dies, stud removal toolset, steering clamp.

Exhaust system components

- a. Front pipe and fittings
- b. Silencers - composite, absorption, expansion, baffles
- c. Intermediate and tail pipe - materials used in exhaust system construction: mild steel, aluminium coated, stainless steel. packing materials, joints, flexible, rigid, welded, fixings, studs, brackets, mountings.
- d. Catalytic converter
- e. Lambda sensor materials used in exhaust system construction: mild steel, aluminium coated, stainless steel. packing materials
- f. Exhaust mountings and clamps
- g. Heat shields

Legal requirements associated with vehicle exhaust systems

- a. MOT test requirements
- b. Emissions
- c. Noise

Use of oxy-acetylene equipment when working on exhausts, to include:

- a. straight through cuts
- b. female from male cuts
- c. male from female cuts
- d. removal of seized components

The purpose, function, construction and layout of exhaust system components, to include:

- a. exhaust system as a complete unit
- b. individual components
- c. catalytic converter
- d. lambda sensor

Inspection techniques for exhaust systems to include:

- a. visual
- b. aural
- c. functional test

Check exhaust system components functionality after refitting or replacement to include the importance of:

- a. doing so before release to the customer
- b. ensuring customers are advised of any running in procedures for new exhausts



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checking that replacement components are of the correct type and quality for the vehicle and conform to legal requirements where relevant