

**-SQA-SCOTTISH QUALIFICATIONS AUTHORITY**

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GLASGOW G2 7NG**

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**NATIONAL CERTIFICATE MODULE DESCRIPTOR**

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<b>-Module Number-</b>	<b>0074507</b>	<b>-Session-1987-88</b>
<b>-Superclass-</b>	<b>XR</b>	

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<b>-Title-</b>	<b>VEHICLE BODY BUILDING: FRAMING</b>
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**-DESCRIPTION-**

Type and Purpose	A <u>specialist</u> module which introduces knowledge and skills necessary for the construction of vehicle body framing.
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Preferred Entry Level	74506 Vehicle Body Building 2: Underframes
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Learning Outcomes	The student should:  1. interpret body building requirements for a practical application;  2. apply construction methods for body framing;  3. prepare and attach stress panelling.
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Content/Context	Safety regulations, safe working practices and procedures should be observed at all times.  <u>Corresponding to Learning Outcomes 1-3:</u>  1. Interpretation of construction requirements. Selection of materials and form of construction.  2. Correct positioning of structural members to obtain maximum strength.  Methods of constructing body framing and sub-assemblies.  Methods of drilling flanges and spacing fixings.  Advantages of kit-built bodies.
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## 3. Reasons for use of stressed panels.

Methods of attaching stressed panels.

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Suggested Learning and Teaching Approaches

This module should be presented in a practical situation with the lecturer demonstrating the working methods and procedures prior to students working on practical assignments to develop the necessary knowledge and skills.

Appropriate theory and supporting calculations should be integrated with the work as appropriate and extensive use should be made of manufacturers' literature and specification.

Where working space is restricted practical assignments could be on scale constructional sections of vehicle bodies.

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Assessment Procedures

Acceptable performance in the module will be satisfactory achievement of the performance criteria for each learning outcome.

The following abbreviations are used below:

LO Learning Outcome

IA Instrument of Assessment

PC Performance Criteria

LO1 IA Written report in which the student is given drawings, schedules and other relevant data for one practical application.

PC The student produces a report:

- (a) stating the requirements in terms of materials and customers' specification;
- (b) correctly outlines the method of construction to be used.

LO2 IA Practical exercise requiring the manufacture/assembly of a body frame section.

PC The student:

- (a) constructs a section which includes examples of each of the main structural components and two different types of fasteners;
- (b) satisfies the given specification and tolerances laid down by the manufacturers' guidelines;
- (c) uses all safety equipment and tools;
- (d) wears all safety clothing and equipment;
- (e) observes all safety regulations.

LO3 IA Practical exercise requiring the preparation and attachment of a stress panel.

PC The student:

- (a) squares the panel;
- (b) fixes the panel;
- (c) cleans the panel off;
- (d) attaches the panel correctly;
- (e) uses all safety tools and equipment;
- (f) wears all safety clothing;
- (g) observes all safety regulations.