

-SQA-SCOTTISH QUALIFICATIONS AUTHORITY

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NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number- 0074489 -Session-1987-88
-Superclass- XS

-Title- VEHICLE MINOR DAMAGE REPAIR 1

-DESCRIPTION-

Type and Purpose A specialist module which develops the knowledge and skills necessary to repair accident and corrosion damage to non-load-bearing members on vehicle bodies.

Preferred Entry Level 74498 Mobile Plant Bodyworking: Introduction
64741 Oxy-Fuel Gas Thermal Cutting Skills
74751 The Metal Arc Gas Shielded Welding Process

Learning Outcomes The student should:

1. repair accident damage to panels in-situ and prepare for painting;
2. repair corrosion damage to panels and prepare for painting;
3. replace weld-on panels.

Content/ Context Safety regulations and safe working practices and procedures should be observed at all times.

Corresponding to Learning Outcomes 1-3:

1. Methods of preparing panels for repair. Manual techniques for panel beating/pulling. Uses of hand tools to repair damage. Preparation for painting to include application of body fillers and methods of surface levelling/contouring.

2. Methods of preparing panels for corrosion repair. Techniques of corrosion repair by replacing panel or part panel by welding. Preparation for painting to include application of body fillers and methods of surface levelling/contouring.
3. Methods of removing weld-on panels using power tools. Preparation of edges/flanges to receive new panel. Alignment of panels and sections. Welding on replacement panels.

Suggested
Learning and
Teaching
Approaches

This module should be taught in a workshop situation with access to damaged and corroded body panels both on and off the vehicle.

Demonstration should be widely used and students should be given practical assignments to develop the learning outcomes.

NOTE Evidence of the exercises should be kept for the assessor. If the actual panels are not available for inspection some other method may be used.

Assessment
Procedures

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

The following abbreviations are used below:

LO Learning Outcome
IA Instrument of assessment
PC Performance criteria

LO1 IA Practical exercises, used with observation checklist in which the student, on at least two occasions, repairs accident damaged panels and prepares for painting.

PC The student:

- (a) beats the panel to an acceptable smoothness and accurate contour;
- (b) fills the panel in preparation for repainting;
- (c) wears all necessary safety clothing and equipment;
- (d) uses tools and equipment safely.

LO2 IA Practical exercise, used with observation checklist in which the student repairs a corrosion damaged panel and prepares it for painting.

PC The student:

- (a) prepares the rust damaged panel for repair to MOT Test Certificate standards;
- (b) welds on a replacement panel or part panel as appropriate;
- (c) fills the panel in preparation for painting;
- (d) restores the surface to a level and contour to match the surrounding bodywork;
- (e) prepares the panel for repainting by applying body filler to make the surface level.

LO3 IA Practical exercises used with observation checklist in which the student replaces weld-on panels.

PC The student:

- (a) removes a weld-on panel;
- (b) prepares edges to receive new panel;
- (c) attaches the new panel in accordance with manufacturer's recommendation;
- (d) prepares a new panel for painting.
- (e) uses and stores the chemicals for rust treatment safely;
- (f) wears the appropriate safety clothing and equipment including face masks and eye protection;
- (g) works in a safe manner. The panels should not be painted after repair.