

-SQA-SCOTTISH QUALIFICATIONS AUTHORITY

**Hanover House
24 Douglas Street
GLASGOW G2 7NG**

NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number- 0074498 -Session-1987-88
-Superclass- XS

-Title- MOBILE PLANT BODYWORKING : INTRODUCTION

-DESCRIPTION-

Type and Purpose A general module which introduces the knowledge and skills necessary to repair mobile plant bodywork.

Preferred Entry Level 64730 Fastening and Joining : Non-Thermal Methods
64050 Introduction to Materials
74442 Vehicle Configurations, Constructions and identification

Learning Outcomes The student should:

1. remove and replace body hardware and glass;
2. remove and replace bolt-on body units;
3. repair dented panels and prepare surfaces for filling and painting.

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 attaching body components such as bolting, welding, adhesive.

Replacement of fixed and opening window glass, lights, bumpers, grills, hard trim etc.

Adjustment of locks, catches and hinges.

2. The alignment of catches and mountings.

Replacement of bolt-on units such as bonnets, boots, etc.

Methods of sealing body panel joints.
3. Methods of hand panel beating to restore minor panel damage. Methods of surface preparation for filling and painting.

Suggested Learning and Teaching Approaches

This module should be taught in a workshop with suitable training units and components.

Initial didactic teaching must be kept to a minimum and students allocated assignments requiring them to work through learning outcomes 1 - 4 progressively.

The lecturer should use examples in each student's assignments as class teaching material and maintain an awareness of the need to produce a satisfactory standard of work in a reasonable time.

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 exercise used in conjunction with an observation checklist.

PC The student:

- (a) removes and replaces two samples of fixed window glass;
- (b) removes and replaces one opening window glass;
- (c) removes and replaces three different items of body hardware;
- (d) carries out the repairs to manufacturers' specifications and without damage to the body or paintwork;

- (e) fits the rubber/gaskets correctly;
 - (f) wears all necessary safety clothing and equipment;
 - (g) behaves in a manner appropriate to the working environment;
 - (h) uses tools and equipment safely.
- LO2 IA Practical exercise used in conduction with an observation checklist.
- PC The student correctly:
- (a) removes and replaces two different units;
 - (b) adjusts the catches and hinges satisfactorily;
 - (c) carries out the repairs to manufacturer's specifications and without damage to the body or paintwork;
 - (d) wears all necessary safety clothing and equipment;
 - (e) behaves in a manner appropriate to the working environment;
 - (f) uses tools and equipment safely.
- LO3 IA Practical exercise used in conjunction with an observation checklist involving three panels with minor denting.
- PC The student for each panel:
- (a) restores minor damage by removing old paint and hand panel beating to achieve a reasonably smooth surface;
 - (b) prepares repaired surface for filling and repainting;
 - (c) wears all necessary safety clothing and equipment;

- (d) behaves in a manner appropriate to the working environment;
- (e) uses tools and equipment safely.

NOTE The panel should not be filled or painted.

© Copyright SQA 1987