

Accident & Repair - Body **(Assessment Requirements-Skills Units)**

Assessment Requirements

Unit G0102S – Demonstrating Skill in Health, Safety and Good Housekeeping in the Automotive Environment

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined by the IMI Assessment Strategy.
4. produce evidence of use of personal and vehicle protection, cleaning the work environment and disposal of waste on **2** separate **occasions**.
5. produce evidence of identifying risks which may result from at least **2** of the items listed below:
 - the use and maintenance of machinery or equipment
 - the use of materials or substances
 - working practices which do not conform to laid down policies
 - unsafe behaviour
 - accidental breakages and spillages
 - environmental factors
6. produce evidence of identifying risks.
7. produce evidence of following at least **2** of the workplace policies listed below:
 - the use of safe working methods and equipment
 - the safe use of hazardous substances
 - smoking, eating, drinking and drugs
 - what to do in the event of an emergency
 - personal presentation
8. produce evidence of following workplace policies

Assessment Requirements

Unit G3S – Demonstrating Skill in Supporting Job Roles in the Automotive Work Environment

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined by the IMI Assessment Strategy.
4. produce witness testimony from your peers **and** supervisor **or** tutor that you have worked well with others.
5. produce evidence carrying out the above whilst performing your normal duties.

Assessment Requirements

Unit G4S – Demonstrating Skills in the use of Materials, Fabrication, Tools and Measuring Devices in the Automotive Environment

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined by the IMI Assessment Strategy.
4. produce evidence of undertaking basic routine checks of hand tools, measuring devices and workshop equipment covering all of those listed below:
 - electrical
 - mechanical
 - pneumatic
 - hydraulic
5. produce evidence of fabricating **at least 1 item** from suitable materials to known tolerances, which includes the following processes:
 - filing
 - tapping threads
 - cutting
 - drilling
 - joining
6. be observed by your assessor carrying out routine checks and during stages of fabrication

Assessment Requirements

Unit G6S – Demonstrating Skills in Making Learning Possible through Demonstration and Instruction

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined by the IMI Assessment Strategy.
4. provide **1 record** of an activity which has been a combination of demonstration and instruction.
5. provide records of an **observation**, which covers **a combination of demonstration and instruction**.

It is expected that the **records** must include evidence to show how you:

- decided on the sequence of the demonstration
- ensured that the demonstration was accurate and realistic
- identified which learning outcomes were achieved
- ensured a safe environment for the demonstration and allowed all learners to see the demonstration clearly

In preparing the record you should consider:

- which types of learning are best achieved and supported through demonstrations
- how to choose between instruction and demonstration as learning methods
- how to identify individual learning needs
- which factors are likely to prevent learning and how to overcome them
- how to choose and prepare appropriate materials, including technology based materials.
- which types of learning are best achieved through instruction
- how to make sure everybody acts in line with health, safety and environmental protection legislation and best practice
- how to analyse developments in learning and new ways of delivery, including technology based learning

It is also expected that evidence from your observations **will show** how you:

- structured the demonstration so that the learner got the most out of it
- encouraged learners to ask questions and get explanations at appropriate stages in the demonstration
- gave learners the opportunities to practice the skill being demonstrated
- gave learners positive feedback
- reinforced learning by repeating demonstration
- responded to the needs of learners during the demonstration
- reduced distractions and disruptions as much as possible
- matched instruction to the needs of learners
- ensured that the manner, level and speed of the instruction encourages learners to take part
- regularly check that learners understand and adapt instruction as appropriate
- gave learners positive feedback on the learning experience and the outcome achieved
- identified anything that prevented learning and reviewed this with the learner

Evidence from **real** or **simulated** activities and **role play** is acceptable for this unit.

Assessment Requirements

Unit G8S – Demonstrating Skills in Identifying and Agreeing Motor Vehicle Customer Service Needs

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined by the IMI Assessment Strategy.
4. produce evidence, including records, to show that you have dealt with **3 different customers**.
5. be observed by your assessor on at least **1** occasion

Evidence from real activity **or role-play is acceptable** for this unit

Assessment Requirements

Unit BP01S – Demonstrating Skills in Removing and Fitting Basic Motor Mechanical, Electrical and Trim Components to Vehicles

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of removing and refitting all of the units or components listed below, which covers the learning outcomes.
 - bumpers
 - headlamp units
 - road wheels
 - batteries
 - bonnet fittings
 - interior trim components
 - exterior trim components

Assessment Requirements

Unit BP02S – Demonstrating Skills in Removing and Fitting Non Permanently Fixed Motor Vehicle Body Panels

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of removing and replacing **3 out of the 5 panels** listed below, which covers the learning outcomes.
 - wings
 - doors
 - bonnets
 - boot lids
 - tailgates

Assessment Requirements

Unit BP05S – Demonstrating Skills in Removing and Replacing Exterior Motor Vehicle Body Panels Including Permanently Fixed components

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of carrying out the removal and replacement of vehicle body panels **in combinations of 3 or more** adjacent panels, one of which should be **permanently fixed** e.g. welded or bonded. All learning outcomes must be covered.

exterior body panels:

a. combinations of 3 or more adjacent panels, one of which should be permanently fixed (Examples include: two doors and a wing, two wings and a bonnet; bonnet, wing and door on the same side; bumper, wing, and bonnet.

b. welded panel. (These are front panels; including headlamp panel, bonnet landing panel, lower crossmember) and rear panels

Assessment Requirements

Unit BP06S – Demonstrating Skills in Repairing Motor Vehicle Exterior/Cosmetic Body Panels

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. be observed by an assessor carrying out **each** of the following repairs listed below, which covers the learning outcomes.
 - body filling and finishing of flat areas of panel
 - repairs to dents that are over 70mm in diameter in exterior body panels, including curvature panels and swage lines
 - repairs to scuffs on plastic components
5. produce evidence of covering **all of the techniques and processes** listed below in carrying out the repairs listed above
 - hot shrinking (using carbon rod)
 - panel pulling
 - metal finishing
 - indirect hammering
 - direct hammering
 - body filing
 - application of body filler/stopper

Assessment Requirements

Unit BP13S – Demonstrating Skills in Removing and Replacing Structural Motor Vehicle Body Panels

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of removing and replacing **3 out of the 4** types of vehicle body panels listed below, which covers the learning outcomes.
 - non permanently fixed body panels
 - welded exterior panels
 - a welded sub structure panel (e.g. rear quarter panel, rear panel, roof, chassis legs, inner wheel housing, boot floors, complete sill, A post, B post, C post, D post and cross members)
 - bonded panels (e.g. any panel that is fixed by adhesive bonding as part of the original manufacturers process)

Assessment Requirements

Unit BP14S – Demonstrating Skills in Motor Vehicle Body Panel Major Repairs

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. be observed by an assessor repairing **2 of the 4** of the following repairs listed below, which covers the learning outcomes.
 - severely distorted panels
 - difficult to access panel damage
 - splits on metal panels, using relevant joining techniques
 - fractures on plastic repairs
5. produce evidence of covering **5 of the techniques and processes** listed below in carrying out the repairs listed above.
 - panel beating
 - panel shrinkage
 - hydraulic forming
 - resistance spot welding (dent pulling kits)
 - MIG/MAG welding
 - MIG brazing
 - body filling operations
 - metal finishing
 - plastic repair
 - specialist dent removal

Assessment Requirements

Unit BP17S – Demonstrating Skills in Identifying and Rectifying Motor Vehicle Body Misalignment

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of rectifying vehicle body misalignment* covering **all of the rectification activities** listed below, which covers the learning outcomes.
 - visual examination
 - setting up
 - measurement in conjunction with alignment measuring equipment
 - realignment using pulling equipment

*The vehicle must have sustained misalignment of at least **2** critical measuring points.

Assessment Requirements

Unit BP19S – Demonstrating Skills in Motor Vehicle Body Metal Active Gas Shielding (MAGS) Welding Techniques

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of carrying out **all** of the different types of joints listed below to join materials using MAGS welding. All learning outcomes must be covered
 - lap plug
 - lap seam
 - butt joint
 - fillet joint

Assessment Requirements

Unit BP20S – Demonstrating Skills in Motor Vehicle Body Resistance Spot Welding Operations

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of carrying out resistance spot welding when joining a vehicle body panel to a vehicle, which covers the learning outcomes.
5. produce evidence of covering **all** the checks listed below to ensure the quality of the weld area
 - weld pitch
 - indentation
 - heat zone
 - nugget size
 - peel and shear test

Assessment Requirements

Unit BP21S – Demonstrating Skills in Motor Vehicle Body Metal Inert Gas (MIG) Brazing Operations

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of carrying out **all** of the different types of joints listed below to join materials using MIG brazing. All learning outcomes must be covered
 - lap slot
 - lap seam
 - butt joint

Assessment Requirements

Unit BP22S – Demonstrating Skills in Motor Vehicle Body Metal Inert Gas (MIG) Aluminium Welding Operations

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of carrying out **all** of the different types of joints listed below to join materials using aluminium welding. All learning outcomes must be covered
 - lap seam
 - butt joint
 - fillet joint

Assessment Requirements

Unit BP23S – Demonstrating Skills in Motor Vehicle Body Tungsten Inert Gas (TIG) Welding Operations

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of carrying out **all** of the different types of joints listed below to join materials using TIG welding. All learning outcomes must be covered
 - lap seam
 - butt joint
 - fillet joint

Assessment Requirements

Unit BP24S – Demonstrating Skills in Motor Vehicle Body Mechanical Fastening Operations

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. . produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of carrying out **4 of the 5** different types of joints listed below to join materials using mechanical fastenings. All learning outcomes must be covered
 - riveting
 - clinching
 - bolts and fasteners
 - screwing
 - hybrid joining (combinations of techniques listed that may also include adhesives)

Assessment Requirements

Unit BP25S – Demonstrating Skills in Motor Vehicle Body Adhesive Bonding Operations

General Requirements

You must:

1. produce evidence to show you meet **all** of the Learning Outcomes
2. produce performance evidence resulting from work you have carried out in your training workshop as managed and organised by an approved centre.
3. be observed by an assessor as defined in the IMI Assessment Strategy.
4. produce evidence of carrying out adhesive bonding operations in joining a vehicle body panel to a vehicle, which covers the learning outcomes.