

Assessment Pack

Entry Level 3 Certificate, Diploma in Body and Paint Maintenance and Entry Level 3 Diploma in General Vehicle Maintenance

Assessment Recording

Qualification 3902 – 02/03 Entry Level 3

SCQF Level 3 Certificate, Diploma in Introduction to Vehicle Body and Paint Maintenance and SCQF Level 3 Diploma in Introduction to General Vehicle Maintenance

Assessment Recording

Qualification 3902 – 72/73 Level 3

3902 Entry Level 3 & SCQF Level 3 Candidate unit tracking assessment and verification page





Qualification:			Name of Asse	essor:		
Candidate name:			Planned comp	oletion date:	1	/
City & Guilds registration number:			Name of IV:	-		
City & Guilds registration date:	/	/	Date qualifica	tion completed:	/	/
Centre enrolment date: /	/		Date qualifica	tion claimed:	/	<u>/</u>
Unit number and title		Date unit completed	Unit number and title	9		Date unit completed
(Unit 013/SCQF Unit 313): Basics of vehicle itting	body		(Unit 018/SCQF Unit 3 preparation technique	,	to vehicle panel	
(Unit 014/SCQF Unit 314): Basics of Vehicle Mechanical, Electrical and Trim Fittings (ME			(Unit 020/SCQF Unit 3 to vehicles using spra		f paint materials	
(Unit 015/SCQF Unit 315): Fundamental vel body repair techniques.	nicle		(Unit 021/SCQF Unit 3 materials for spray gu	,	on coat	
(Unit 016/SCQF Unit 316) Introduction to ve MAG welding techniques	ehicle		(Unit 022/SCQF Unit 3 tolerance vehicle body		single	
(Unit 017/SCQF Unit 317): Introduction to veresistance spot welding techniques	ehicle		(Unit 023/SCQF Unit 3 for foundation coat mand techniques	, .	<i>,</i> .	
Declaration of competence:						
confirm that the candidate com	pleted	the work	for this qualification	on to the requi	ired standard	d.
Signed (assessor):			Date//			
Quality assurance sampling						
Internal verifier name	Units sa	mpled I	V report reference	IV Signature an	nd date (if samp	led)
External verifier name	Units sa	mpled	EV report reference	EV Signature a	nd date (if samp	oled)

About this qualification:

The 3902 Entry Level 3/SCQF Level 3 qualification consists of ten competence based units which can be completed as stand alone units or as a complete qualification made up of a combination of units.

The aim of the qualification is to introduce learners to the skills required to complete preliminary body panel repairs and to prepare body panels for foundation coats.

Rules of combination

QCF

3902 -02

Entry Level 3 Certificate in Vehicle Body & Paint Maintenance – Accreditation Number (QAN): 501/1105/X Full Rules of Combination – (906) Certification Module – Minimum 24 credits from (010, 012-023)

Entry Level 3 Diploma in Body & Paint Maintenance – Accreditation Number (QAN): 501/0831/1 Full Rules of Combination – (907) Certification Module – Minimum of 40 credits from (010, 012-023)

3902-03

Entry Level 3 Diploma in General Vehicle Maintenance – Accreditation Number (QAN): 501/1356/2 Full Rules of Combination – Overall minimum of 45 credits from (001-023, 101-109, 112) at least minimum 24 credits from (001-023)

SCQF

3902 -72

SCQF Level 3 Certificate in Vehicle Body and Paint Maintenance

Full Rules of Combination – (914) Certification Module – Minimum 24 credits from (310, 312-318 and 320-323)

SCQF Level 3 Diploma in Body and Paint Maintenance

Full Rules of Combination – (915) Certification Module – Minimum of 40 credits from (310, 312-318 and 320-323)

3902-73

SCQF Level 3 Diploma in Introduction to General Vehicle Maintenance

Full Rules of Combination – Overall minimum of 45 credits from (301-318, 320-323) and (401-409, 412) at least a minimum of 24 credits from (301-323)

The vehicle types

The units are flexible and are designed in a way to support all types of vehicles; evidence can come from one type or a mixture of different vehicle types, examples include:

Light vehicle
Heavy vehicles
Motorcycles and scooters
Quad and land-based
Tractors

Assessment

The vehicles used for assessment should be constructed using methods and materials that reflect current technology. Part vehicles, components and realistic vehicle rigs may also be used for training and assessment.

Tools and equipment

Centres must have the tools, equipment, vehicle and units required for the qualification. They should be in a safe and suitable condition to support learning and assessment.

Evidence submitted for assessment and verification

All units have a one page assessment document that states the skills and knowledge requirements. Assessment should be completed by a competent assessor. Knowledge can be assessed using the prepared questions (centre devised questions may also be used to suit local circumstances) either orally or in written form. A record of the candidate's response to the knowledge questions must be kept and made available for verification.

Evidence may also be recorded using photographic or digital methods provided it is readily available and easily audited.

Unit 013/SCQF Unit 313: Basics of vehicle body fitting

C	it	y	Ę	*
G	u	il	d	S

Candidate name:	Assessor name	Date assessment completed//
Candidates need to be observed by their assessor rem answer questions related to these tasks, a record of wh		nable body components. They are also required to correctly the components have been assessed.
Bonnet Do	or Tailgate [Bolt on wing
Vehicle details and relevant information:		
Vehicle make	Vehicle mod	del
Type of body	Number of o	doors
Assessment record:		
Assessor to indicate (✓) when correct use demonst	trated and or knowledge confirmed	
Be able to follow approved safety procedures when	removing and refitting detachable vehicle b	body panels.
Correctly use required PPE	Follow approved workplace procedures	Identify potential H&S hazards and risks
Identify relevant information sources	State the importance of keeping records	Recycling and disposal
Be able to carry out the removal and replacement o	f detachable vehicle body components.	
Identify the correct hand tools and check they are fit for purpose	Correctly use hand tools	Identify vehicle body panels using correct terminology
Correctly align detachable vehicle body components	Identify different types of fasteners	Securely fix detachable vehicle body components
Follow prescribed quality checks to	ensure correct alignment and secure fixing	

Assessors to select suitable 'component' based on assessment circumstances. Answers to questions should be available for verification.

- 1. Why is it important to protect the surrounding bodywork when removing a 'component'?
- 2. State three checks you should complete before you remove a 'component'?
- 3. What should you do if you identify additional damage to the body when you have removed a 'component'?
- 4. How should a metal 'component' be disposed of?
- 5. Why is it important to use plain and spring washers?

Assessor feedback:

3902



ndidate name: Assessor name		Date assessment completed//	
Rear lamps	Front grille/trim	Road wheel	
	Vehicle model		
	Number of doors		
monstrated and or knowledge	confirmed		
when removing and refitting I	MET components.		
Follow approved	workplace procedures	Identify potential H&S hazards and risks	
State the importa	nce of keeping records	Recycling and disposal	
nts.			
С	orrectly use hand tools	Identify different types of vehicle	
Correctly a	align MET components	Identify different types of fasteners	
a rear lamp cluster?		when you are removing the road wheel?	
	monstrated and or knowledge when removing and refitting for state the important follow prescribed questions follow prescribed questions follow prescribed questions for state the wheel nuts are tightened of a rear lamp cluster?	represent the must be kept. Indicate (✓) below which of the components he must be kept. Indicate (✓) below which of the components has represent the must be kept. Indicate (✓) below which of the components has represent the must be kept. Indicate (✓) below which of the components has represent the must be kept. Indicate (✓) below which of the components has represent the must be kept. Indicate (✓) below which of the components has represent the must be kept. Indicate (✓) below which of the components. Vehicle model Number of doors	



Candidate name:	Assessor name	Date assessment completed//
	sessor roughing out a small dent and one other task. ∃ Indicate (✓) below which of the components have been	They are also required to correctly answer questions related to assessed.
Roughing out small dent	Repair small dent in metal panel using body filler	Repair small dent in plastic panel using body filler
Vehicle details and relevant information:		
Vehicle make	Vehicle mo	odel
Type of body	Number of	doors
Assessment record:		
Assessor to indicate (✓) when correct us	e demonstrated and or knowledge confirmed	
Be able to follow approved safety proced	ures when carrying out preliminary vehicle body repa	airs
Correctly use required PPE	Follow approved workplace procedures	Identify potential H&S hazards and risks
Identify relevant information sources	State the importance of keeping records	Recycling and disposal
Be able to carry out body repair techniq	ues	
Identify the correct hand tools and che they are fit for purpo		Identify panel and panel/substrate material
rough out small dents using a variety hand too	of Mix and apply plastic body filler in an	Rub down body filler to the correct profile
Follow prescribed quality checks to ensu acceptable profile of repa		
Answers to questions should be available. 1. What piece of PPE should you use to produce the down body filler?	protect your lungs when rubbing 2. What grade of pro- from a damaged s	duction paper should you use to remove the paint teel body panel?

- 3. What condition should a metal body panel be in before applying body filler?
- 5. Name two hand tools used when roughing out a steel panel prior to applying body filler?
- Assessor feedback:

4. Why is body filler applied to a higher profile than the surrounding bodywork?



Candidate name:	ndidate name: Assessor name		Date assessr	ment completed//
Candidates need to be observed related to these tasks, a record of		nd plug we	eld in 1 mm mild steel. They ar	re also required to correctly answer questions
	Lap weld	AND	Plug weld	
Welding plant details and rele	vant information:			
Wire speed	Wire gauge		Type of gas	Gas pressure
	lap weld) and two of the three plug we			consistent form, and have adequate penetration.
State the H&S requirement	ety procedures when using MAG we ts relevant to electric welding principles ential H&S hazards and risks	Correctly	v use the required PPE ne relevant information sources	Follow approved workplace procedures State he importance of keeping records
Be able to produce MAG plug Complete effective tacking of r	-	omplete efi	fective lap welds	Complete effective plug welds
Answers to questions should	be available for verification.			
too high? 5. What condition should the welding)? 7. State the purpose of the s	you weld too fast (speed of torch trave	2. el 4. 6. 8.	hand lap)? State why it is important to us	before welding? In angle when MAG welding (down See the correct MAG welding technique? Stortion caused by the application of
Assessor feedback:				



Candidate name:	Assessor nam	ne	Da	ate assessment completed//	
				b by completing destructive test and complete slated to these tasks, a record of which must be	
Set up resistance spot welder	Complete de	estructive test		Weld three correctly positioned spot	welds
Welding plant details and relevan	t information:				
Squeeze time	Weld time	Но	old time	Current	
Assessment record: Assessor to	, ,		_		
State the H&S requirements releva	·	_	use required PPE	Follow approved workplace proced	lures
Identify potential H&S haza	· · —	the relevant inf	ormation sources	State he importance of keeping rec	cords
Recycling	and disposal				
Be able to carry out resistance s	pot welds			<u>—</u>	
Set up spot welding e		e spot welding o	equipment	Prepare materials for spot welding	
Complete resistance spo	t welding				
Answers to questions should be					
 State three hazards when 		2.	What is the purpose		
3. Why is it important to dress the electrodes before welding?		4.		nt metal be prepared before welding?	
the edge of the parent met				ich affect the quality of a resistance spot weld	
welds	test the effectiveness of resistance	e spot 8.	Identify distortion car welding.	used by the application of heat when spot	
Assessor feedback:					

Unit 018/SCQF Unit 318: Introduction to vehicle panel preparation techniques

City	18	*
Gui	lď	S

Candidate name:	Assessor name	Date assessment completed//
	r preparing a panel for paint coats by using hand flatting questions related to these tasks, a record of which mus	or by using power tools, and to complete a feather edge st be kept.
Hand flat body panel	Flat body panel using power tools	Feather edge repaired body panel
Vehicle details and relevant information:		
Vehicle make	Vehicle model	
Type of body	Panel prepared	
Assessment record: Assessor to indicate (✓)w	hen correct use demonstrated and or knowledge co	onfirmed
Be able to follow approved and safe procedure Correctly use required PPE Identify the relevant information sources	Follow approved workplace procedures State the importance of keeping records	Identify potential H&S hazards and risks Recycling and disposal
Be able to prepare vehicle body panels		
Identify the correct hand, power tools and	d equipment and check they are fit for purpose	Correctly use hand and power tools
Hand flat vehicle body panels Clean	Flat vehicle body panels using power tools tools and equipment and obtain confirmation that they a	Feather edge a repaired body panel are left in a clean and serviceable condition
Answers to questions should be available for	verification.	

- State two hazards when hand flatting?
 State two hazards when flatting using power tools?
 What is meant by the term feather edging?
- Identify the types and grades of abrasive materials used for vehicle body panels.
 Identify the types of foundation coat materials used on vehicle body panels.



	ying foundation coats using spray gun tech	nniques. They are also required to correctly answer questions
related to these tasks, a record of which must be kept.		
Apply etch primer	AND Apply primer coat	
Foundation coat details and relevant information:		
Type of spay gun used	Position of par	nel on vehicle
Shape of panel painted	Panel materia	l painted
Assessment record: Assessor to indicate (✓) where Be able to follow approved and safe procedures where the same indicate (✓) where Be able to follow approved and safe procedures where the same indicate (✓) where Be able to follow approved and safe procedures where the same indicate (✓) where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures where Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approved and safe procedures are the Be able to follow approv		rledge confirmed
Correctly use required PPE Fo	llow approved workplace procedures	Identify potential H&S hazards and risks
Recycling and disposal Ide	ntify the relevant information sources	State the importance of keeping records
	State the ne	ed for fume extraction when applying foundation coat materials
Be able to apply foundation coat materials.		
Use a pre-prepared sp	ay gun to apply foundation coat materials	Identify the correct spray gun pattern
Clean tools	and equipment and obtain confirmation tha	t they are left in a clean and serviceable condition.

Answers to questions should be available for verification.

- 1. State two hazards when applying foundation coats?
- 2. State two items of PPE that should be worn when applying foundation coats?
- 3. Why is it necessary to keep the spray gun a regular distance from the panel?
- 4. Why is the correct spray pattern important?
- 5. Why is it important to clean the spray gun thoroughly after use?

Unit 021/SCQF Unit 321: Mix foundation coat materials for spray gun application 3902



Candidate name:	Assessor name	Date assessment completed//
	assessor preparing a panel for paint coats by using han answer questions related to these tasks, a record of w	nd flatting or by using power tools, and to complete a feather edge hich must be kept.
Mix etch primer	AND Mix primer	
Foundation coat details and relevant in	formation:	
Viscosity required	Mixing ratio u	used
Type of foundation coat material	Type of mixir	ng scheme/system used
	ate (✓) when correct use demonstrated and or know ocedures when mixing foundation coat materials.	wledge confirmed
Correctly use required PPE	Follow approved workplace procedures	Identify potential H&S hazards and risks
Recycling and disposal	Identify the relevant information sources	State the importance of keeping records
	State the importance of contr	rolling paint shop substances which may be hazardous to health
Be able to mix foundation coat materia	als.	
	Use pre-selected technical information	n to support the mixing of foundation coat materials
Use hand tools for mixing foundation c materi	ials foundation coat materials	
	Clean tools and equipment and obtain confirmation the	at they are left in a clean and serviceable condition.

Answers to questions should be available for verification.

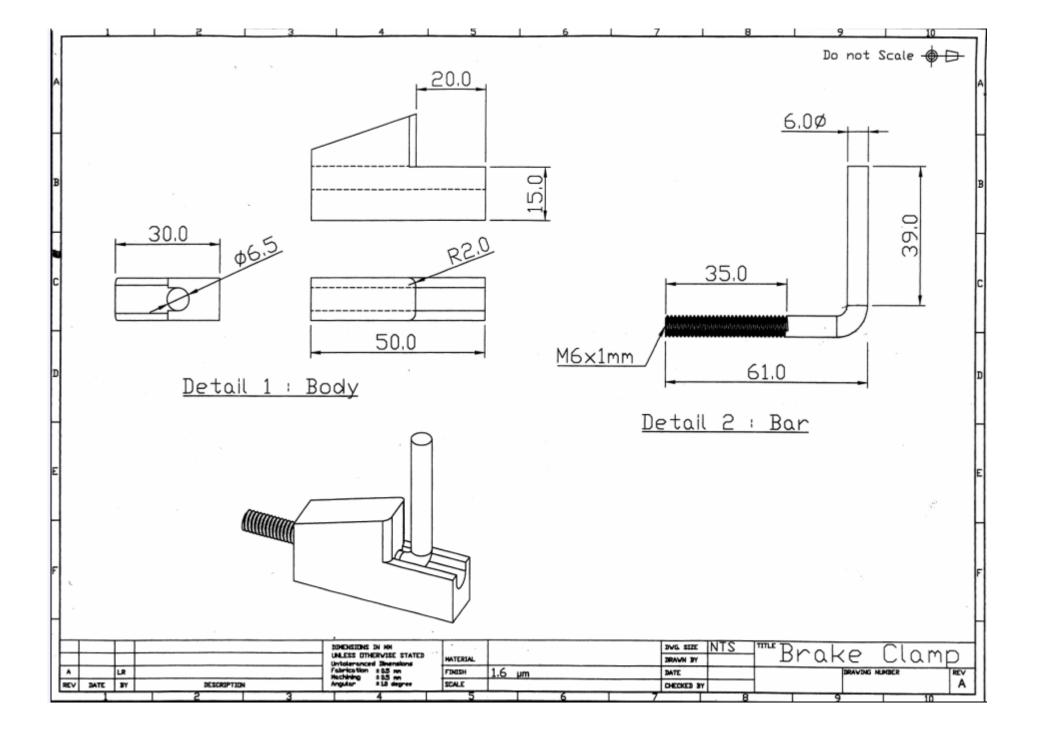
- 1. State two hazards when mixing foundation coats?
- 2. State two items of PPE that should be worn when mixing foundation coats?
- 3. Why is it necessary to mix foundation coat materials?4. What is the purpose of an activator?
- 5. Why is it important to clean mixing equipment after use?

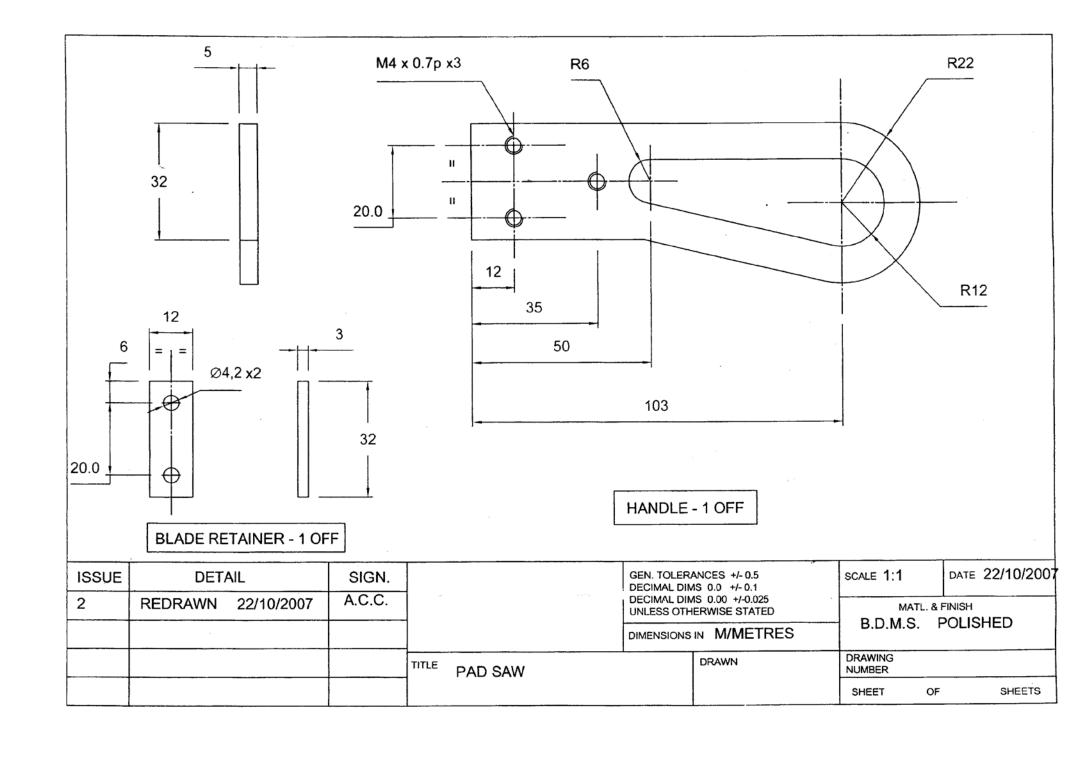
Unit 022/SCQF Unit 332: Manufacture single tolerance vehicle body components

City &	
Guilds	

Candidate name:	Assessor name	Date asse	essment completed _		Gulia
Candidates need to be observed by their assessor making correctly answer questions related to these tasks, a reco		t four different and te	echniques each. They ar	e also required	to
Indicate (✓) techniques demonstrated:					
Measuring Marking out Cutting	Fabrication Forming	Drilling	Thread cutting	Filing	
Standard required: Each piece that is made must have at least one critical of Examples of typical tools that can be manufactured as a				eformed sectior	ns.
Assessment record: Assessor to indicate (✓) when Be able to follow approved and safe procedures when			I		
	Use appropriate PPE and	methods	Follow approved wor	rkplace procedu	ires
	Identify potential H&S hazards	and risks	Identify the relevant in	nformation sour	ces
State how to safely handle and dispose of us	and fluids	State the importance of keeping records			
Be able to use tools and equipment to manufacture	vehicle body components				
Identify the workshop hand tools used for the manufacture of vehicle body components Demonstrate a range of techniques	Demonstrate how to check the condition and operation of the tools and equipment required for manufacturing vehicle body components Demonstrate how to prepare the tools and equipment required for manufacturing vehicle body components				
Demonstrate how to check manufactured vehicle body components for compliance	Produce working drawings or sketches that illustrate the main features of manufactured vehicle body components				
Understand the methods and techniques when manual. Why is it important to work from a datum when mark		. Answers to quest	ions should be availab	le for verification	on.

- 2. Identify the different materials used to manufacture vehicle body components including carbon steels and aluminium alloys
- 3. State typical vehicle body component applications for the materials used
- 4. State how materials are modified to provide strength by forming, alloying and heat treatment
- 5. State the importance of hardness, toughness, rigidity and tensile strength as material properties





Unit 023/SCQF Unit 323: Prepare vehicle body panels for foundation coat materials using masking materials and techniques



Candidate name:	Assessor name	Date assessment completed	/				
Candidates need to be observed by their assessor preparing a panel for masking materials, applying and removing masking materials. They are also required to correctly answer questions related to these tasks, a record of which must be kept.							
Use masking paper	OR use plastic masking sheet/film	AND	Use masking tape				
Vehicle details and relevant information:							
Vehicle make	Vehicle m	iodel					
Type of body	Panel pre	pared					
Assessment record: Assessor to indicate (✓) when correct use demonstrated and or knowledge confirmed Be able to follow approved and safe procedures when applying masking methods.							
Correctly use required PPE	Follow approved workplace pr	rocedures Identify potenti	al H&S hazards and risks				
Identify the relevant information sources	State the importance of keepin	ng records	Recycling and disposal				
Be able to use masking materials and techniques to prepare vehicle body panels for foundation coats							
Remove masking materials after foundation coat materials Use suitable masking materials to mask up vehicle parts and components							
Understand the methods and techniques was 1. List the materials used to mask vehicle par 2. State the importance of accurate application 3. State the importance of using the correct of 4. How to remove masking materials without 5. State the importance of timely removal of	on of masking materials masking material for the application damaging the vehicle	Answers to questions should be availa	able for verification.				