AUTOMOTIVE SECTOR
Tricycle Maintenance and Repairs

SUMMARY OF LEVEL 2 (AS CLASSIFIED)

MANDATORY AND OPTIONAL UNITS

S/NO/ UNIT	REFERENCE NO.	NOS TITLE	CREDIT VALUE	TOTAL LEARNING HOUR	REMARKS
1	**AUT/TRC/001/L2**	**Health, Safety and Environment**	**2**	20	**Mandatory**
2	**AUT/TRC/002/L2**	**Communication in Auto Tricycle**	**2**	20	**Mandatory**
3	**AUT/TRC/003/L2**	**Application of Mechanical Fastening Techniques**	**3**	30	**Mandatory**
4	**AUT/TRC/004/L2**	**Tools and Materials**	**3**	30	**Mandatory**
5	**AUT/TRC/005/L2**	**General Assembly Work**	**3**	30	**Optional**
6	**AUT/TRC/006/L2**	**Engine System Maintenance**	**5**	50	**Optional**
7	**AUT/TRC/007/L2**	**Drive Train and Braking system repairs**	**3**	30	**Optional**
8	**AUT/TRC/008/L2**	**Braking System repairs**	**6**	60	**Optional**
9	**AUT/TRC/009/L2**	**Wheels, tyres, steering & Suspension**	**3**	30	**Optional**
10	**AUT/TRC/010/L2**	**Electrical works, Indicators and Switches**	**6**	60	**Optional**
11	**AUT/TRC/011/L2**	**Bodywork**	**6**	60	**Optional**
TOTAL CREDIT VALUE/HOURS			**42**	**420**	

NOTE: Learners are required to select 3 units from the optional units

Qualification Purpose: This Qualification covers the competence and knowledge learners need to carry out maintenance, service and general repairs of auto tricycles. It includes identification of faults and replacement of mechanical and electrical components safely. The qualification also ensures that the learner is aware of health & safety, the environment, appropriate communication. The candidate will use tools and equipment for the purpose of maintenance. It enables a candidate to dismantle 'live' components, for example engine, gearbox and back axle.

Unit: 001 HEALTH, SAFETY AND ENVIRONMENT (HSE) IN AUTOMOTIVE TRI CYCLE INDUSTRY

Unit reference number: AUT/TRC/001/L2

QCF level: 2

Credit value: 2

Guided learning hours: 20

Unit Purpose: This unit is about the application of knowledge and skills to competently carryout daily activities in an automotive tricycle workshop while observing relevant safety procedures and regulations.

Unit assessment requirements/evidence requirements
This assessment can only be carried out in a real automotive tricycle workplace environment where automotive activities are carried out. Simulation is not allowed in this unit and level.

Assessment method will include:

1. Direct Observation (DO)
2. Question and Answer/ oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Project
6. Work product

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O:1 Apply safe work practices and instructions	1.1	Use safe work practice and instructions.									
	1.2	Identify safety signs and symbols.									
	1.3	Use signs and symbols correctly									
	1.4	Carry out safe work practices and instructions									
	1.5	Work in accordance with health and safety practices.									
L.O 2: Demonstrate understanding of safety hazards and risks at work											
	2.1	Identify work environment hazards									
	2.2	State types of hazard and risks in surface area									
	2.3	State types of hazards and risks in height and depth									
	2.4	Apply regulations as it relates to hazards and risk in work environment.									
L.O.3: Use personal protective											

equipment (PPE)	3.1	Identify the types of PPEs									
	3.2	Use PPEs in accordance with instructions.									
	3.3	Select appropriate PPEs.									
	3.4	Service PPEs after use.									
L.O. 4: Apply appropriate measures during accident/injury.	4.1	Identify first aid facility									
	4.2	Use basic dressing materials									
	4.3	Comply with supervisor given instructions.									
	4.4	Communicate accident/injury to the appropriate supervisor									
L.O. 5: Carry out safe work habit and clean work environment	5.1	Use safe access and exit routes in the work environment									
	5.2	Identify appropriate working tools, materials and equipment									
	5.3	Use tools and equipment safely in accordance with the supervisors instructions									
	5.4	Gather all tools, equipment and unused materials for appropriate storage									
	5.5	Carry out general housekeeping of work environment									
	5.6	Dispose all wastes appropriately to designated waste facilities									
L.O: 6. Apply correct methods of lifting, loading/offloading and stacking of materials	6.1	Identify lifting and stacking techniques									
	6.2	Carry out appropriately lifting techniques in loading and offloading of materials without assistance									
	6.3	Perform correct lifting and loading techniques with mechanical assistance									
	6.4	Stack materials correctly									
L.O: 7 Demonstrate the understanding of the effects of materials on self and work environment	7.1	Explain the effect of gas, liquid and solid materials on self and work environment									
	7.2	Identify various types of protection against gaseous, liquid, and solid materials on self and work environment									
	7.3	Explain appropriate legislative standards with regards to safety									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**

IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

UNIT 002: COMMUNICATION IN AUTO TRICYCLE WORKSHOP

Unit reference number: AUT/TRC/002/L2

QCF level: 2

Credit value: 2

Guided learning hours: 20

Unit Purpose: To establish an effective communication system that is responsive to change in meeting workers and client's needs, in work environment

Unit assessment requirements/evidence requirements
This assessment can only be carried out in a real automotive tricycle workplace environment where automotive activities are carried out.

Assessment method will include:

1. Direct Observation (DO)
2. Question and Answer/ oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O:1.0 Use non-complex communication system in a work environment	1.1	Use a verbal means to pass on necessary information									
	1.2	Use non-verbal means to convey necessary information e.g. body language, signs									
	1.3	Distinguish symbols and signs appropriately									
L.O: 2.0 Demonstrate the ability to source and pass information in a work environment											
	2.1	Identify the source of information in the work environment									
	2.2	Communicate effectively with the source of information									
	2.3	Use the different information flow systems in a work environment									
	2.4	Use information gathered to avoid challenges in a work									

		situation									
	2.5	Report findings appropriately in accordance with laid down procedure in the work environment Cards, Flip Chart									
L.O: 3.0 Demonstrate the use of various communication methods in a work environment											
	3.1	Identify the various means of communication in the work environment									
	3.2	Pass information effectively to the right personnel									
	3.3	Carry out instructions in line with ethics of the work environment									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**
IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

Unit: 003
FASTENING (JOINING) TECHNIQUES USED IN AUTO TRICYCLE REPAIR OPERATIONS

Unit reference number: AUT/TRC/003/L2

QCF level: **2**

Credit value: **3**

Guided learning hours: **30 HOURS**

Unit Purpose: This unit is about joining materials effectively using mechanical joining by fastening techniques

Unit assessment requirements/evidence requirements:
This assessment can only be carried in a real workplace environment in which automotive tricycle service, repair, and mechanical joining by fastening operations are carried out.

Assessment method will include:

1. Direct Observation (DO)
2. Question and Answer/ oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Work products

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O:1.0 Undertake Safety precautions required in metal joining/fastening	1.1	Use the appropriate personal protective equipment when carrying out mechanical joining operations.									
	1.2	Protect the tricycle and its contents effectively when carrying out mechanical joining operation									
	1.3	Ensure that the tools, equipment and PPE you require are in a safe working condition									
	1.4	Dress and protect the repaired area to inhibit corrosion where applicable									
	1.5	Clean and store PPE and equipment in appropriate manner									
	1.6	Carry out mechanical joining operations following									
	1.7	Conform to health safety and legal requirements									

L.O: 2.0 Select tools and equipment for carrying out mechanical joining operations											
	3.1	Select the correct tools and equipment for carrying out mechanical joining operations									
	3.2	Ensure that the tools and equipment and PPE you require are in a safe working condition									
	3.3	Check stability of tooling									
L.O: 3 Carry out joining/ fastening operations.	4.1	Prepare material and align to enable suitable joint to be achieved									
	4.2	Polish meeting flanges before joining									
	4.3	Set up your equipment to carry out mechanical joining operations such as: check suitability of joining technique check suitability of tooling check consumables are correct									
	5.1	Check integrity of the joint.									
	5.2	Carry out mechanical joining operations within the agreed timescale									
	5.3	Identify common fastener failures									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**
IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

Unit reference number: AUT/TRC/004/L2

QCF level: LEVEL 2

Credit value: 3 CREDITS

Guided learning hours: 30 HOURS

Unit Purpose: This unit is about correct application of tools, materials and waste disposal methods relevant to the automotive tricycle sector

This unit is about;

1. Apply manufactures information
2. Apply safe and healthy working practices
3. Selecting materials and equipment
4. Service and maintenance of workshop tools & equipment
5. Coordinate storage of workshop tools and equipment

Assessment method will include:

1. Direct Observation (DO)
2. Question and Answer/ oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Work products
6. Project

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O:1. Select workshop tools and materials	1.1	Identify types of workshop hand tools such as: marking tools, cutting tools, metal removing tools and fastening tools									
	1.2	Identify functions of workshop hand tools listed above									
	1.3	Select correct tools for marking operations									
	1.4	Select correct tools for metal removing operations									
	1.5	Select correct tools for fastening operations									
	1.6	Select correct tools for cutting operations									
L.O: 2 Use hand tools											
	2.1	Carry out marking out operations									
	2.2	Carry out filing operations									
	2.3	Carry -out cutting operations									

	2.1	Carry -out fastening operation.									
	2.2	Loose bolts and nuts with correct tools									
	2.3	Identify problems associated with incorrect tools use									
L.O. 3 Select appropriate service materials	3.1	Identify materials for servicing in accordance to the manufacturer's specification such as : engine oil differential oil, filters, plug, grease									
	3.2	Identify materials for repairs such as: gaskets, sealants, seals Fittings, fasteners									
	3.3	Select correct personal protective equipment for different operations									
	3.4	apply manufacturers specifications									
L.O. 4: Maintain workshop tools	4.1	Service tools as specified by manufacturer's /workshop requirement.									
	4.2	Use tools as specified by manufacturer's /workshop requirement.									
	4.3	Store tools as specified by manufacturer's /workshop requirement									
	4.4	Clean and store used tools									

Learners Signature:	**Date:**
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IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

Unit: 005 GENERAL ASSEMBLY WORK

Reference number: AUT/TRC/005/L2

QCF level: LEVEL 2

Credit value: 3

Guided learning hours: 30 HOURS

Unit Purpose: This unit is about conducting assembly, adjustment, coupling and test – run activities tricycle.

Unit assessment requirements/evidence requirements:
This assessment can only be carried in an environment in which automotive tricycle assembly are carried out in a commercial environment effectively.

Assessment method will include:

1. Direct Observation (DO)
2. Question and Answer / oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Project
6. Work product

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O. 1 Apply basic knowledge of assembly procedure	1.1	Identify types of tricycle Cab Pickup									
	1.2	Identify brand of tricycle Bajaj TVS Piaggio									
	1.3	Sort out the different parts according to the system									
	1.4	Examine the tricycle system and components following the manufacturer's approved methods									
L.O 2: Assemble tricycle components	2.1	Select correct tools/equipment for assembly of a tricycle									
	2.2	Identify genuine tricycle parts in line with manufacturer's specification.									
	2.3	Apply correct tools in line with manufacturers specification.									
	2.4	Carry out tricycle assembly activities such as: Electrical									

		wiring, Tyres, wheels, Roof top & carrier, Upholsteries									
	2.5	Carry-out test- running to check the functionality of: Engine system Braking system Electrical system Suspension									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**
IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

UNIT: 06 ENGINE SYSTEM REPAIRS

Unit reference number: AUT/TRC/006/L2

QCF level: LEVEL 2

Credit value: 5

Guided learning hours: 50 HOURS

Unit Purpose: This unit is about identification of faults, repairs, service, examination, adjustment and replacement activities in tricycle engine.

Unit assessment requirements/evidence requirements:
This assessment can only be carried in a real workplace environment in which automotive tricycle service and repair operation are carried out in a workshop environment effectively. Live engines and functional tricycle shall be provided.

Assessment method will include:

1. Direct Observation (DO)
2. Question and Answer / oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Project
6. Work product

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O. 1 Demonstrate knowledge of engine configuration	1.1	Identify types of tricycle engine									
	1.2	Identify components of a tricycle engine									
	1.3	State the function of each component of a tricycle engine									
	1.4	Describe the operations of a tricycle engine									
L.O. 2 Service tricycle engine											
	2.1	Examine the tricycle system and components following the manufacturer's approved methods.									
	2.2	Select correct tools/equipment for servicing a tricycle engine									
	2.3	Identify genuine filter, plug and lubricants in line with manufacturer's specification									
	2.4	Carry out tricycle servicing activities such as: Spark plugs cleaning Fuel filter cleaning Air filter cleaning									

	2.5	Change engine oil									
L.O3 Service tricycle carburettor	3.1	Identify the faults by visual inspection, direct observation and sound.									
	3.2	Use manufacturer's service information									
	3.3	Identify tools/equipment for tricycle carburettor servicing									
	3.4	Dismantle the carburettor to clean jets/ nut of blockage									
	3.5	Replacement of worn or damage parts.									
	3.6	Assemble the carburettor									
	3.7	Test the engine performance									
L.O. 4 Overhaul tricycle engine	4.1	Identify the need for overhaul of tricycle engine by customer complain/test-run the tricycle									
	4.2	Select correct tools for dismantling tricycle engine									
	4.3	Check parts for replacement or re-use									
	4.4	Clean the engine parts with correct cleaning fluid									
	4.5	Carry-out the necessary repairs to re-condition the engine									
	4.6	Assemble engine parts under supervision									
		Carry-out running- in of the tricycle									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**
IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

Unit: 007 DRIVETRAIN & BRAKING SYSTEM REPAIRS

Unit reference number: AUT/TRC/007/L2

QCF level: 2

Credit value: 3

Guided learning hours: 30

Unit Purpose: This unit is about identifying and rectifying faults within the powertrain and rolling chassis. It includes the procedures of inspecting and assessing the conditions and overhauling of the transmission system in line with manufacturers' specifications

Unit assessment requirements/evidence requirements
This assessment can only be carried out in a real automotive tricycle workplace environment.

Assessment method will include:

1. Direct Observation (DO)
2. Question and Answer/ oral questions Q&A
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Work product
6. Project

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O:1. Carry out gear box repairs	1.1	Identify the features of the tricycle gear box									
	1.2	Carry-out service on gear engagement system with correct tools (gear cable and accessories) lubricate cable-jacket and the lever-gear a. Identify faults in gear box b. Select correct tools/equipment c. Dismantle the gear box d. Place damaged parts • cross-gear • gear selector									
	1.3	Assemble lay-shaft gear teeth									
	1.4	Assemble the gearbox									
L.O: 2. Carry out back axle repair											
	2.1	Identify the features of back axle									
	2.2	Change the gear oil									
	2.3	Lubricate the gear and bearings Replace broken shaft seals Identify faults in back axle Replace the damaged parts in									

		back axle: • rotating muff cup • driving shaft bushings • cup rubber									
	2.4	Couple back the unit									
	2.5	Test run the tricycle									
L.O. 3 Repair driving shaft assembly	3.1	Identify faults in the final drive unit									
	3.2	Dismantle the unit									
	3.3	Replace damaged parts such as: Driving shaft, Wheel bearings, and Universal joints.									
	3.4	Couple back the unit									
	3.5	Test run the tricycle									
L.O. 4 Demonstrate the ability to carry-out clutch repair	4.1	Identify faults in the clutch unit									
	4.2	Dismantle to repair clutch unit									
	4.3	Replace damaged parts such as: clutch plate, clutch drive clutch bearing and bushings clutch housing, dumper rubber									
	4.4	Grind the clutch housing									
	4.5	Couple the clutch unit									
	4.6	Test run the tricycle									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**
IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

UNIT: 08 BRAKING SYSTEM REPAIRS

QCF level: 2

Credit value: 6

Guided learning hours: 60

Unit Purpose: This unit is about the application of skills to competently carryout repairs on braking system in an Automotive Tricycle shop using appropriate tools and techniques.

Unit assessment requirements/evidence requirements
This assessment can only be carried out in a real automotive tricycle workplace environment where automotive activities are carried out. Simulation is not allowed in this unit and level.

Assessment method will include:

1. Direct Observation (DO)
2. Question and Answer/ oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Project
6. Work product

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O:1. Service brake system	1.1	Identify faults in braking system									
	1.2	Service the wheel brake pots with the correct tools									
	1.3	Service wheel pot pistons/ pot rubber									
	1.4	Test run the serviced tricycle									
L.O: 2 Repair brake system	2.1	Identify faults for repair									
	2.2	Select correct tools/equipment									
	2.3	Dismantle braking system.									
	2.4	Replace damaged parts such as: brake master cylinder kits fluid container broken hydraulic pipe brake wheel pot brake wheel kits hydraulic hose									
	2.5	Couple braking the system									
	2.6	Test run the tricycle									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**
IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

UNIT: 009 WHEEL TYRES, STEERING & SUSPENSION

Unit reference number: AUT/TRC/008/L2

QCF level: 2

Credit value: 3

Guided learning hours: 30

Unit Purpose: This unit is about inspecting standard tricycle tyres and wheels to assess their conditions and suitability for repair and carrying out necessary repair, replacement or refitting activities. It includes replacement and repair procedures for wheels, tyres, steering & suspension.

Unit assessment requirements/evidence requirements;

This assessment can only be carried out in a real automotive tri-cycle workshop environment in which replacement and repair procedures for wheels, tyres, steering & suspensions are carried out.

Assessment method will include

1. Direct Observation (DO)
2. Question and Answer/ oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Project
6. Work product

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number				
L.O:1 Carry-out steering repairs	1.1	Identify faults relating to steering										
	1.2	Select correct tools										
	1.3	Dismantle the steering units										
	1.4	Service the steering bearings										
	1.5	Service the steering bushings										
	1.6	Replace damaged parts such as: steering bushings steering bearing (top and bottom) centre bearing										
	1.7	Couple the unit back										
	1.8	Test run										
L.O: 2. Carry out repair on Tri-cycle suspension system												
	2.1	Identify faults in shock absorber										
	2.2	Identify faults in linkages										
	2.3	Identify faults in suspension										

		bushings									
	2.4	Select correct working tools									
	2.5	Dismantle suspension unit									
	2.6	Replace damaged parts such as: shock absorber(Oil seal and spring) linkages suspension bushings									
	2.7	Couple back the unit									
	2.8	Test run									
L.O.3: Carry out repair in tyre and tubes	3.1	Identify types and tubes used in Tri-cycles									
	3.2	Use correct tools and techniques									
	3.3	Remove tire from the wheel									
	3.4	Check for leakages									
	3.5	Repair tube and tyre									
	3.6	Inflate tyre according to the manufacturer's specification									
L.O. 4 Repair wheel alignment	4.1	Check wheel alignment									
	4.2	Identify causes of miss-alignment									
	4.3	Remove wheel from hub with correct tools.									
	4.4	Check the bearing and bushing									
	4.5	Replace the damaged bearing and bushing									
	4.6	Assemble the wheel									
	4.7	Test run									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**
IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

UNIT: 009 REFITTING OF ELECTRICAL WORK, SWITCHES AND INDICATORS

Unit reference number: AUT/TRC/009/L2

QCF level: 2

Credit value: 3

Guided learning hours: 30

Unit Purpose: This unit is about the appropriate removal and fitting of basic electrical components on tricycles. It is also about checking the operation (s) of the components fitted and the functionality of the indicators.

Unit assessment requirements/evidence requirements
This assessment can only be carried out in a real tricycle workplace environment in which the removal and fitting of basic mechanical, electrical components are carried out.

Assessment method will include

1. Direct Observation (DO)
2. Question and Answer/ oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Work product

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O: 1 Carry-out repairs in Tri cycle wiring system	1.1	Describe manufacturer's wiring system									
	1.2	Identify wires by colours									
	1.3	Select correct working tools									
	1.4	Trace faults									
	1.5	Rectify faults									
	1.6	Replace damaged parts according to standards									
	1.7	Test for functionality									
L.O: 2. Carry out battery maintenance											
	2.1	Identify the features of a battery									
	2.2	Select correct tools/instruments									
	2.3	Identify areas of fault such as: rust of battery terminals level of acid, voltage level									
	2.4	Rectify the faults									
	2.5	Replace the battery									
	2.6	Test for functionality									
L.O.3: Replace indicators and switches	3.1	Identify switches/indicators in tri-cycle									

	3.2	Test the switches for functionality									
	3.3	Check the indicators for functionality with correct tools/equipment									
	3.4	Identify faults in switches with correct instrument									
	3.5	Identify faults in indicators with correct instrument									
	3.6	Replace damaged parts such as: Bulbs, switches, indicators, fuses Wires									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**
IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**

Unit: 010 TRICYCLE BODY WORKS

Unit reference number: AUT/TRC/010/L2

QCF level: 2

Credit value: 6

Guided learning hours: 60

Unit Purpose:

This unit is to apply the knowledge and skills to improve the physical appeal of a vehicle and also to protect it from damages. It includes beautifying both the interior and exterior part of the tricycle.

Unit assessment requirements/evidence requirements

This assessment can only be carried out in a real automotive tricycle workplace environment where automotive activities are carried out. Simulation is not allowed in this unit and level.

Assessment method will include

1. Direct Observation (DO)
2. Question and Answer/ oral questions (QA)
3. Witness Testimony (WT)
4. Personal statement (PS)
5. Work product (WP)

L.O (Learning outcome)	Criteria:-		Evidence Type					Evidence Ref Page number			
L.O: 1 Carry-out basic panel beating work	1.1	Carry-out visual inspection of the body of a Tricycle									
	1.2	Identify areas that requires panel beating in the body									
	1.3	Carry-out marking-out									
	1.4	Cut suitable metal in line with manufacturer's specification									
	1.5	Prepare joining surfaces									
L.O: 2 Carry out basic welding operations											
	2.1	Identify types of welding machines for Tricycle body welding									
	2.2	Select correct welding tools/equipment									
	2.3	Carry-out welding operations									
	2.4	Check the welded joints for defects									
	2.5	Grind welded surface									
L.O.3: Carry out	3.1	Identify areas requiring body filler									

spraying/painting operations.	3.2	Apply correct mix of body filler									
	3.3	Carry-out polishing operations									
	3.4	Apply priming chemicals									
	3.5	Carry-out spraying operations									
L.O. 4 Carry out upholstery work in motorcycle	4.1	Remove auxiliary components with correct tools such as: Carpet, seat cover, sun/rain shield (roop-top-cover)									
	4.2	Select auxiliary component									
	4.3	Replace auxiliary component									

Learners Signature:	**Date:**
Assessors Signature:	**Date:**
IQA Signature (if sampled)	**Date:**
EQA Signature (if sampled)	**Date:**