National Occupational Skill Standard (NOSS)

Occupational Title	: Motorcycle Service Mechanic
Level	:1
Sector	: Automobile Engineering
Sub - Sector	: Two Wheeler
NOSS ID/NSCO ID	:
ISCO NO	:



Council for Technical Education and Vocational Training **NATIONAL SKILL TESTING BOARD** Madhyapur Thimi-17, Sanothimi, Bhaktapur, Nepal



Developed: 20-12-2021 (05-09-2078)

The National Skill Standards and Test was developed by:

1.	Mr. Shreedhar Devkota	Adviser	General Manager, BYS				
2.	Mr. Bhakta Bahadur Ale	Coordinator	Campus Chief, I.O.E. Thapathali Campus.				
3.	Mr. Dhruba Prasad Dhungel	Member-Secretary	Technical Officer Skill Testing Division, CTEVT.				
4.	Mr. Suresh Bhaila	Member	Technical Assistant Skill Testing Division, CTEVT.				
5.	Mr. Pushpa Narayan Manandhar	Member	Hari Narayan Motorcycle Workshop Kamal Pokhari, Kathmandu.				
Ap	Approved by the Tripartite National Skill Testing Board, 1991						





The National Skill Standard and Test was Revised by:

No.	Name	Designation	Organization
1.	Prof. Rabindra Nath Bhattarai	Coordinator	Automobile Technical Sub Committee National Skill Testing Board (NSTB), Sanothimi, Bhaktapur
2.	Dr. Kul Bahadur Basnet	Member	Director, National Skill Testing Board (NSTB) Sanothimi, Bhaktapur, Nepal
3.	Mr. Dharma Maharjan	Member	IOE, Thapathali Campus Thapathali, Kathmandu
4.	Mr. Pushpa Narayan Manandhar	Member	Kathmandu Motorcycle Servicing Workshop Kamalpokhari, Kathmandu
5.	Mr. Suresh Bhaila	Member	Council for Technical Education & Vocational Training (CTEVT) Sanothimi, Bhaktapur
6.	Mr. Suresh Maharjan	Facilitator	Skill Testing Officer, National Skill Testing Board (NSTB) Sanothimi, Bhaktapur, Nepal
7.	Mr. Prem Pokhrel	Facilitator	Skill Testing Officer, National Skill Testing Board (NSTB) Sanothimi, Bhaktapur, Nepal
8.	Mr. Tulsi K.C.	Member Secretary	Automobile Technical Sub Committee National Skill Testing Board (NSTB), Sanothimi, Bhaktapur

Recommended by Automobile Technical Sub Committee: June 2015 (Jestha 2072)





The National Skill Standard and Test was Revised by:

No.	Name	Designation	Organization
1.	Prof. Rabindra Nath Bhattarai	Coordinator	Automobile Technical Sub Committee National Skill Testing Board (NSTB), Sanothimi, Bhaktapur
2.	Mr. Tek Bahadur Malla	Member	Director, National Skill Testing Board (NSTB) Sanothimi, Bhaktapur, Nepal
3.	Mr. Dharma Maharjan	Member	T.U. Institute of Engineering, Thapathali Campus Thapathali, Kathmandu
4.	Mr. Dipesh Poudel	Member	Sipradi Trading Pvt. Ltd. Naikap, Kathmandu
5.	Mr. Pushpa Narayan Manadhar	Member	Kathmandu Motorcycle Servicing Workshop Kamalpokhari, Kathmandu
6.	Mr. Sanny Pradhan	Member	MAW Enterprise, Two-wheeler Department Tripureshwor, Kathmandu
7.	Mr. Bashudev Timalsina	Member	Laxmi Intercontinental Pvt. Ltd. Patan Industrial Estate, Lalitpur
8.	Mr. Tulsi K.C.	Member Secretary	Automobile Technical Sub Committee National Skill Testing Board (NSTB), Sanothimi, Bhaktapur
9.	Mr. Suresh Maharjan	Member	Skill Testing Officer, National Skill Testing Board (NSTB) Sanothimi, Bhaktapur
10.	Mr. Kishor Chandra Sharma	Member	Skill Testing Assistant, National Skill Testing Board (NSTB) Sanothimi, Bhaktapur

Recommended by Automobile Technical Sub Committee: 20 December 2021 (05 Paush 2078)





1	Occupational Title: Motorcycle Service Mechanic
	Level: 1
2	Job Description:
	Motorcycle Service Mechanic, L-1 performs general servicing of mechanical and electrical systems of two-wheeler.
3	UNITS OF COMPETENCY:
	1. Perform general servicing
	2. Perform electrical servicing
	3. Perform communication
	4. Develop professionalism
	*Note: Unit 3 and 4 are not for testing purpose.
4	Qualifying Notes/Prerequisites:
	Physical Requirement: Sound health
	Entry Requirement: As per NSTB rules.
	Additional Information: • Assessment Types: Performance Test only
	 Assessment Types. Ferromance Test only. Assessment Duration: 4 to 5 Hrs
	Recommended Group Size: 6 to 8 candidates





5	Unit No:1 Unit Title: Perform general servicing			Unit code:
	Elements of competency			Performance standards
	4.4. December 1 and a standard state	1.1.1	Personal prot	ective equipment (PPE) used in accordance with organization standard.
	1.1 Prepare tools, equipment and material	1.1.2	Tools, equipm	ent and materials checked and collected as per task requirement.
		1.1.3	Two-wheeler	raised on central stand stably.
		1.2.1	Dust particles	and grease/oil removed from two-wheeler.
	1.2Perform washing1.2.2Sensit		Sensitive com	<i>ponents</i> covered with plastic to prevent damage from water pressure.
		1.2.3	Two-wheeler	washed without damaging components.
		1.2.4	Two-wheeler	wiped, dried and polished evenly.
		1.3.1 Engine oil drained completely from a warm engine in a containe		ned completely from a warm engine in a container without spilling
	1.3 Change engine oil and oil filter		outside.	
		1.3.2	Dust and meta	allic particles removed.
		1.3.3	Drain plug clea	aned and installed without damaging seal.
		1.3.4	Engine oil filte	r replaced with new one after filling engine oil in the filter.
		1.3.5	Specified grad	le of engine oil filled to specified level.
		1.3.6	Filler cap fitte	d in specified torque without damaging seal.
		1.3.7	Spilled oil clea	ned from engine.
		1.4.1	Transmission	oil level and oil condition checked.
	1.4 Change transmission oil	1.4.2	Transmission	oil drained completely from a warm engine in a container without spilling
			outside.	
		1.4.3	Drain plug clea	aned and installed without damaging seal.
		1.4.4	Specified grad	e of transmission oil filled to specified level.
		1.4.5	Gearbox chec	ked for leakage and spilled oil cleaned from engine.





	1.5. 5		1.5.1	Front fork assembly removed	, dismantled and fork oil drained	in a container wit	thout	
	1.5 Service from	it end		spilling outside.				
			1.5.2	Dismantled components clea	ned and checked for physical dan	nage.		
			1.5.3	Dismantled components fitte	d sequentially.			
			1.5.4	Specified grade of fork oil fille	ed to specified level.			
			1.5.5	Fork cap and fork assembly ir	stalled with specified torque.			
			1.5.6	Free play and movement of s	teering checked and adjusted as p	per service manua	al.	
_			1.6.1	Type, grade and quantity of I	ubricants selected as per service r	manual.		
	1.6 Lubricate co	omponents	1.6.2	Lubricating equipment filled	with lubricants.			
			1.6.3	Foreign materials and existing	g lubricants removed from pivot/r	nating parts.		
			1.6.4	Pivot/mating parts lubricated	as per service manual.			
			1.6.5	Spilled oil cleaned from lubricated components.				
		c	1.7.1	Air filter cover removed and cleaned.				
	1.7 Service air f	filter	1.7.2	Air filter/sealing surfaces checked for physical damage.				
			1.7.3	Existing/New air filter elemer	nts inserted into housing and edge	es sealed without	air	
				leakage.				
			1.7.4	Filter cover assembly fitted.				
			1.8.1	Spark plug removed without	damaging seal and thread.			
	1.8 Service spar	rk plug	1.8.2	Spark plug checked for physic	cal damage, cleaned and adjusted	sparkplug gap as	per	
				service manual.				
			1.8.3	Cleaned/New spark plug fit w	ith specified torque without dama	aging seal and th	read.	
		· · · ·	1.9.1	9.1 Chain sprocket assembly/components removed sequentially without damaging				
	1.9 Replace cha	ain sprocket		components.				
			1.9.2	Components checked for phy	sical damage and replaced damage	ged components.		
			1.9.3	Wheel assembled in sequenc	е.			
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	1.9.4 Chain slackness and brake adjusted in accordance with service manual and tightened to
	specified torque.
	1.9.5 Wheel rotation tested for performance.
	1.10.1 Wheel removed, dismantled and checked for physical damage.
1.10 Repair wheel	1.10.2 Tyre and tube mended without any leakage.
	1.10.3 Tyre and tube fitted and air filled to specified pressure.
	1.10.4 Wheel components lubricated and damaged components replaced in accordance with
	service manual.
	1.10.5 Wheel assembled in sequence.
	1.10.6 Chain slackness and brake adjusted in accordance with service manual and tightened to
	specified torque.
	1.10.7 Wheel rotation tested for performance.
	1.11.1 Rear suspension assembly removed in sequential order and checked for physical
1.11 Service suspension system	damage.
	1.11.2 Damaged suspension assembly replaced in accordance with service manual.
	1.11.3 Suspension assembly assembled in sequential order.
1.12. Complex final temps and final filters	1.12.1 Fuel system components disconnected and fuel tank removed without damaging
1.12 Service fuel tank and fuel filter	components.
	1.12.2 Fuel drained in a container without spilling outside.
	1.12.3 <i>Fuel cock assembly</i> removed, cleaned and checked for physical damage.
	1.12.4 Damaged components replaced and fuel tank fitted in sequence.
	1.12.5 Fuel line and indicator checked after filling fuel.
	1.12.6 Engine started and operation checked at different speed.
1.12. Comvies control cobles	1.13.1 <i>Control cables</i> checked for physical damage and jam.
1.13 Service control cables	1.13.2 Damaged control cables replaced.



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		1.13	.3 Control cables lubricated, ir	nstalled in sequence and adjuste	d free play as per so	ervice
			manual.			
		1.13	.1 Engine started and operation	on of control cables checked.		
		1.14	.1 Brake components dismant	led, cleaned and checked for phy	ysical damage.	
	1.14 Service drum ar	nd disc brake 1.14	.2 Damaged components repla	aced.		
		1.14	.3 Brake fluid level checked ar	nd topped up to specified level.		
		1.14	.4 Brake components assembl	ed and adjusted as per service m	nanual.	
		1.14	.5 Operation of brake tested f	or performance.		
1		1.15	.1 Unused materials collected	and stored in designated place.		
	1.15 Clean workshop	1.15	.2 Tools and equipment clean	ed, checked and stored in design	ated place.	
		1.15	.3 Work area cleaned, wiped a	and dried.		
		1.15	.4 Waste disposed as per 3R's	principle at designated location		
6	 Task Performance Req Two-wheeler, s container, mea container, tyre transmission oi polish, brake sl protective equi 	uirements (Tools, Equipment and service manual, open and ring spa suring jar, wire brush, fork tube of pressure gauge, air compressor I, fork oil, oil filter, lubricating oil hoe, brake pad, chain sprocket, r pment.	Materials): anner set, socket set, hamme opener, grease gun, spark plu , water pressure pump, span , cloth, rags, control cables, ear suspension assembly, pat	er, Allen keys, pliers, screw driv g wrench, spark plug cleaner, f k plug, O-ring, seal, gasket, g kerosene, petrol, gasket, fuel fi ch, glue, lubricants, dustpan, d	vers, torque wrenc eeler gauge, sand rease, air filter, e lter, cleaning agen ustbin, broom and	h, funnel, paper, oil ngine oil, its, water, l personal
7	Safety and Hygiene (O Use Personal Pr Safe handling of Avoid slippery f	ccupational Health and Safety): otective Equipment (PPE). f tools and equipment. loor.				
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- Avoid electrical, chemical and fire hazard.
- Safe disposal of waste.





8 Technical Knowledge Applied Calculation Graphical Information • Tools and equipment • Read and interpret block diagram • Use and application • Read and interpret block diagram • Handling technique • Safety measures • Read and interpret service • Occupational Health and Safety rules and regulation • Read and interpret service manual • National Classification of two-wheeler • Introduction • Read and interpret service • Introduction • Types • Major components and their function • Basic understanding of: • Engine • • • Transmission • Suspension • • • Steering • Electrical system • • • Transmission oil • Fork oil • • • Types and uses of: • • • • • Steering • • • • • </th <th></th> <th></th> <th>Required Knowledge</th> <th></th> <th></th>			Required Knowledge		
 Tools and equipment Use and application Handling technique Safety measures Occupational Health and Safety rules and regulation National classification of two-wheeler Two-wheeler Introduction Types Major components and their function Basic understanding of: Engine Transmission Suspension Brake Steering Electrical system Types and uses of: Engine oil Transmission oil Frake fluid Coolant Grease/lubricating oil 	8	Technical Knowledge	Appli	ed Calculation	Graphical Information
• Grease/lubricating oil		Technical Knowledge • Tools and equipment • Use and application • Handling technique • Safety measures • Occupational Health and Safety rules and regulation • National classification of two-wheeler • Two-wheeler • Introduction • Types • Major components and their function • Basic understanding of: • Engine • Transmission • Steering • Electrical system • Types and uses of: • Engine oil • Transmission oil • Engine oil • Coolant	on Appli	ed Calculation	 Graphical Information Read and interpret block diagram Read and interpret service manual
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	•	Comp	onents	and function of ignition system						
	•	Spark	plug							
		0	Types							
		0	Function							
		0	Spark plu	lg gap						
		0	Spark plu	ug condition						
	•	Brake	system							
		0	Types							
		0	Operatic	n						
		0	Compon	ents						
		0	Brake pe	dal free play						
		0	Adjustm	ent						
		0	Air bleed	ling						
	•	Suspe	ension sy	rstem						
		0	Types							
		0	Operatio	n						
		0	Compon	ents						
	٠	Air an	d fuel fi	lter						
		0	Types							
		0	Operatio	on of fuel system						
		0	Fuel syst	em components						
		0	Air bleed	ling						
	•	Whee	el							
		0	Compon	ents and their function						
		0	Air press	ure						
	٠	Preve	ntive ma	aintenance and servicing						
	•	Clean	ing proc	edure						
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•	Waste management	
•	Importance of first aid kit	





9	Assessment of Competency									
	Unit: 1									
	Unit Title: Perform ge	Unit Title: Perform general servicing								
			Candidate Details			Assessors Detail				
	Candidate's Name:			Assessors'	Name		ID/License No:			
	Registration Number:			1.						
	Symbol No:			2.						
	Test Centre: Test Date:									
Elen	Element of competency		Performance Standards	Standard Met	Standard Not Met	Evidence Type	Comments			
1.1	Prepare tools, equipment and material	1.1.1 1.1.2 1.1.3	<i>Personal protective equipment (PPE)</i> used in accordance with organization standard. Tools, equipment and materials checked and collected as per task requirement. <i>Two-wheeler</i> raised on central stand stably.							
1.2	Perform washing	 1.2.1 1.2.2 1.2.3 1.2.4 	Dust particles and grease/oil removed from two- wheeler. <i>Sensitive components</i> covered with plastic to prevent damage from water pressure. Two-wheeler washed without damaging components. Two-wheeler wiped, dried and polished evenly.							





		1.3.1	Engine oil drained completely	from a warm engine					
1.3	Change engine oil		in a container without spilling	outside.					
		1.3.2	Dust and metallic particles rer	noved.					
		1.3.3	Drain plug cleaned and installe	ed without damaging					
			seal.						
		1.3.4	Engine oil filter replaced with	new one after filling					
			engine oil in the filter.						
		1.3.5	Specified grade of engine oil f	illed to specified level.					
		1.3.6	Filler cap fitted in specified to	rque without					
			damaging seal.						
		1.3.7	Spilled oil cleaned from engine	e.					
1.4		1.4.1	Transmission oil level and oil o	condition checked.					
1.4	oil	1.4.2	Transmission oil drained comp	pletely from a warm					
			engine in a container without	spilling outside.					
		1.4.3	Drain plug cleaned and installe	ed without damaging					
			seal.						
		1.4.4	Specified grade of transmissio	n oil filled to specified					
			level.						
		1.4.5	Gearbox checked for leakage a	and spilled oil cleaned					
			from engine.						
1 5	Sorvice front and	1.5.1	Front fork assembly removed,	dismantled and fork					
1.5	Service front end		oil drained in a container with	out spilling outside.					
		1.5.2	Dismantled components clear	ned and checked for					
			physical damage.						
		1.5.3	Dismantled components fitted	d sequentially.					
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		1.5.4	Specified grade of fork oil filled to specified level.		
		1.5.5	Fork cap and fork assembly installed with specified		
			torque.		
		1.5.6	Free play and movement of steering checked and		
			adjusted as per service manual.		
		1.6.1	Type, grade and quantity of <i>lubricants</i> selected as		
1.6	Lubricate		per service manual.		
	components	1.6.2	Lubricating equipment filled with lubricants.		
		1.6.3	Foreign materials and existing lubricants removed		
			from pivot/mating parts.		
		1.6.4	Pivot/mating parts lubricated as per service manual.		
		1.6.5	Spilled oil cleaned from lubricated components.		
		1.7.1	Air filter cover removed and cleaned.		
1.7	Service air filter	1.7.2	Air filter/sealing surfaces checked for physical		
			damage.		
		1.7.3	Existing/New air filter elements inserted into		
			housing and edges sealed without air leakage.		
		1.7.4	Filter cover assembly fitted.		
		1.8.1	Spark plug removed without damaging seal and		
1.8	Service spark plug		thread.		
		1.8.2	Spark plug checked for physical damage, cleaned		
			and adjusted sparkplug gap as per service manual.		
		1.8.3	Cleaned/New spark plug fit with specified torque		
			without damaging seal and thread.		





	9.1 Chain sprocket assembly/components removed
1.9 Replace chain	sequentially without damaging components.
Sprocket	.9.2 Components checked for physical damage and
	replaced damaged components.
	9.3 Wheel assembled in sequence.
	9.4 Chain slackness and brake adjusted in accordance
	with service manual and tightened to specified
	torque.
	.9.5 Wheel rotation tested for performance.
	10.1 Wheel removed, dismantled and checked for
1.10 Repair wheel	physical damage.
	10.2 Tyre and tube mended without any leakage.
	.10.3 Tyre and tube fitted and air filled to specified
	pressure.
	.10.4 Wheel components lubricated and damaged
	components replaced in accordance with service
	manual.
	10.5 Wheel assembled in sequence.
	.10.6 Chain slackness and brake adjusted in accordance
	with service manual and tightened to specified
	torque.
	10.7 Wheel rotation tested for performance.
	11.1 Rear suspension assembly removed in sequential
1.11 Service suspension	order and checked for physical damage.
System	11.2 Damaged suspension assembly replaced in
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	accordance with service manu	ual.					
	1.11.3 Suspension assembly assembly	led in sequential					
	order.						
	1.12.1 Fuel system components disc	onnected and fuel					
1.12 Service fuel tank and fuel filter	tank removed without damag	ing components.					
luerinter	1.12.2 Fuel drained in a container wi	thout spilling outside.					
	1.12.3 Fuel cock assembly removed,	cleaned and checked					
	for physical damage.						
	1.12.4 Damaged components replace	ed and fuel tank fitted					
	in sequence.						
	1.12.5 Fuel line and indicator checke	d after filling fuel.					
	1.12.6 Engine started and operation	checked at different					
	speed.						
	1.13.1 Control cables checked for ph	ysical damage and					
1.13 Service control	jam.						
Cables	1.13.2 Damaged control cables repla	iced.					
	1.13.3 Control cables lubricated, inst	alled in sequence and					
	adjusted free play as per serv	ice manual.					
	1.13.4 Engine started and operation	of control cables					
	checked.						
	1.14.1 Brake components dismantle	d, cleaned and					
1.14 Service drum and	checked for physical damage.						
uisc blake	1.14.2 Damaged components replace	ed.					
	1.14.3 Brake fluid level checked and	topped up to specified					
	level.						
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	1.14.4 Brake components assembled and adjusted as per		
	service manual.		
	1.14.5 Operation of brake tested for performance.		
	1.15.1 Unused materials collected and stored in		
1.15 Clean workshop	designated place.		
	1.15.2 Tools and equipment cleaned, checked and stored		
	in designated place.		
	1.15.3 Work area cleaned, wiped and dried.		
	1.15.4 Waste disposed as per 3R's principle at designated		
	location.		

WT- Written Test	OQ - Oral Question	PT- Practical Test	DO – Direct Observation	SR- Supervisor's report	SN –Simulation
RP - Role Play	PG –Photographs	VD - Video	CT – Certificates	TS – Testimonials (Reward)	PP – Product Produced

CS – Case Study





Range Statement

Variable	Range					
Personal protective equipment	May include but not limited to:					
	Helmet					
	• Gloves					
	Safety goggles					
	Safety boot					
	Mask					
	Apron					
Two-wheeler	May include but not limited to:					
	Motorcycle					
	Scooter					
Sensitive components	May include but not limited to:					
	• Silencer					
	Cooling fan					
	Instrument panel/meter					
	• Sensor					
	Electronic control unit					
	Actuators					
Specified grade	May include but not limited to:					
	• Engine oil					
	○ SAE 10W-30 API SJ-SN					
	 SAE 10W-40 API SJ-SN 					
	 SAE 15W-50 API SJ-SN 					
	 SAE 20W-40 API SJ-SN 					
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	 Transmission oil SAE 80W-90 SAE 85W-120 Fork oil 10W 15W 20W 		
Physical damage	May include but not limited to: Crack Wear and tears Leakage Breakage		
Lubricants	May include but not limited to: Oil Grease		
Lubricating equipment	May include but not limited to: Grease gun Oil can		
Chain sprocket assembly/components	May include but not limited to: Axle nut Axle shaft Collar Chain Chain adjuster Brake panel bolts Brake knob		
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		 Wheel assembly Brake panel Damper rubbers Sprocket hub Sprockets Brake shoes/pads 			
Wheel components	M	ay include but not limited to: Rim Bearing Tyre Tube			
Fuel system components	M	 ay include but not limited to: Fuel line Air/gas line Fuel gauge connect Fuel cock Carburettor Throttle valve 	or		
Fuel cock assembly	M	ay include but not limited to: Fuel valve Fuel cup O-ring Strainer screen/filte	er		
Control cables	M	 <i>ay include but not limited to:</i> Throttle cable Clutch cable 			
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	 Brake cable Speedometer cable Chock cable Seat cable
3R's Principle	May include but not limited to:
	Reduce
	• Reuse
	Recycle





5	Unit No: 2 Unit Title: Perform electrical servicing		Unit code:		
	Elements of competency	Performance standards			
	2.1 Droport tools and aquipment	2.1.1	Personal protective equipment (PPE) used in accordance with	organization standard.	
	2.1 Prepare tools and equipment	2.1.2	ools, equipment and materials checked and collected as per t	ask requirement.	
		2.1.3	wo-wheeler raised on central stand stably.		
		2.2.1	Battery condition checked.		
	2.2 Perform battery servicing	2.2.2	Distilled water topped up to specified level.		
		2.2.3	Battery terminals disconnected by removing negative and posi	tive terminals in	
			equence.		
		2.2.4	Battery charged to specified specific gravity of electrolyte and	voltage.	
		2.2.5	aulty battery replaced with new one.		
		2.2.6	Battery poles cleaned and terminal tightened without damagir	ng.	
		2.3.1	Dperation and physical damage of lights , horns and switches	checked.	
	2.3 Service light and horn	2.3.2	Connection and continuity of wires checked.		
		2.3.3	Damaged lights, horns, switches and wires replaced and fitted	as per service manual.	
		2.3.4	lorn and lights adjusted.		
		2.3.5	Operation of fuse, relay and indicators checked.		
		2.4.1	Dperation and physical damage of fuse, relay and <i>instrument</i> (panel indicators checked.	
	2.4 Service fuse, relay and indicators	2.4.2	Connection and continuity of wires checked.		
		2.4.3	Damaged fuse, relay, indicators and wires replaced and fitted a	as per service manual.	
		2.4.4	Operation of fuse, relay and indicators checked.		
		2.5.1	Jnused materials collected and stored in designated place.		
	2.5 Store tools and equipment	2.5.2	ools and equipment cleaned, checked and stored in designate	ed place.	
		2.5.3	Nork area cleaned, wiped and dried.		
			/ 1		





	2.5.4 Waste disposed as per 3R's principle at designated location.					
6	Task Performance Requirements (Tools, Equipment and Materials):					
	• Two-wheeler, service manual, screw driver set, pliers, wire cutter, spanner set, battery charger, hydrometer, multimeter, Allen keys, test lamp, distilled water, bulb, flasher, fuse, relay, horn, switches, wires, cables, wire brush, petroleum jelly, emery paper, PVC tape, cloths, rags, dustbin, dustpan, broom and personal protective equipment.					
7	Safety and Hygiene (Occupational Health and Safety):					
	Use Personal Protective Equipment (PPE).					
	Safe handling of tools and equipment.					
	Avoid slippery floor.					
	Avoid electrical, chemical and fire hazard.					
	Safe disposal of waste.					

8	Required Knowledge							
	Technical Knowledge	Applied Calculation	Graphical Information					
8	Technical Knowledge • Tools and equipment • Use and application • Handling technique • Safety measures • Basic electrical symbols • Current, voltage and resistance • Continuity test • Conductor and insulator • Battery • Types • Connection • Basic operation	Applied Calculation	Graphical Information Read and interpret service manual 					
	 Introduction of electrical components Wire and color coding Horn Switch Lights and indicators Fuse Relay 							



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9	Assessment of Competency							
	Unit: 2							
	Unit Title: Perform ele	ectrical	servicing					
			Candidate Details			Assessors Detail		
	Candidate's Name:			Assessors'	Name	ID/License No:		
	Registration Number:			1.				
	Symbol No:			2.				
	Test Centre: Test Date:			3.				
Elei	Element of competency		Performance Standards	Standard Met	Standard Not Met	Evidence Type	Comments	
2.4		2.1.1	Personal protective equipment (PPE) used in					
2.1	Prepare tools and equipment		accordance with organization standard.					
		2.1.2	Tools, equipment and materials checked and collected					
			as per task requirement.					
		2.1.3	Two-wheeler raised on central stand stably.					
	Perform battery servicing	2.2.1	Battery condition checked.					
2.2		2.2.2	Distilled water topped up to specified level.					
		2.2.3	Battery terminals disconnected by removing negative					
			and positive terminals in sequence.					
		2.2.4	Battery charged to specified specific gravity of					
			electrolyte and voltage.					
		2.2.5	Faulty battery replaced with new one.					
		2.2.6	Battery poles cleaned and terminal tightened without					
\wedge				•	-	•	~	





			damaging.		
	Service light and horn	2.3.1	Operation and <i>physical damage</i> of <i>lights</i> , horns and		
2.3			<i>switches</i> checked.		
		2.3.2	Connection and continuity of wires checked.		
		2.3.3	Damaged lights, horns, switches and wires replaced and		
			fitted as per service manual.		
		2.3.4	Horn and lights adjusted.		
		2.3.5	Operation of fuse, relay and indicators checked.		
		2.4.1	Operation and physical damage of fuse, relay and		
2.4	Service fuse, relay and indicators		instrument panel indicators checked.		
		2.4.2	Connection and continuity of wires checked.		
		2.4.3	Damaged fuse, relay, indicators and wires replaced and		
			fitted as per service manual.		
		2.4.4	Operation of fuse, relay and indicators checked.		
		2.5.1	Unused materials collected and stored in designated		
2.5	Store tools and equipment		place.		
		2.5.2	Tools and equipment cleaned, checked and stored in		
			designated place.		
		2.5.3	Work area cleaned, wiped and dried.		
		2.5.4	Waste disposed as per 3R's principle at designated		
			location.		

WT- Written Test	OQ - Oral Question	PT- Practical Test	DO – Direct Observation	SR- Supervisor's report	SN –Simulation	
RP - Role Play	PG – Photographs	VD- Video	CT – Certificates	TS – Testimonials (Reward)	PP – Product Produced	
CS – Case Study						CIEVP
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						and the

Range Statement

Variable	Range		
Personal protective equipment	May include but not limited to: Helmet Gloves Safety goggles Safety boot Mask Apron 		
Two-wheeler	May include but not limited to: Motorcycle Scooter		
Battery condition	May include but not limited to: Physical damage Electrolyte level Specific gravity Voltage		
Physical damage	May include but not limited to: Crack Wear and tears Leakage Breakage		





Lights	May include but not limited to: Head light Back light Side light Instrument panel/meter bulb Flasher
Switches	May include but not limited to: Stop light switch Head light switch Side light switch Clutch switch Ignition switch
Instrument panel indicators	May include but not limited to: • Fuel indicator • Light indicator • RPM indicator • Speed indicator
3R's Principle	May include but not limited to: Reduce Reuse Recycle



