

# Open Awards Qualification Unit



This unit forms part of a regulated qualification.

## 1 Unit Details

Unit Title:	Introduction to Battery and Lighting Systems
Unit Reference Number:	M/615/9349
Level:	Level 1
Credit Value:	4
Minimum GLH:	40

## 2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Be able to work safely	1.1 Use safe working practices when working on vehicle battery and lighting systems
2. Know about vehicle batteries	2.1 Using methodical procedures: <ul style="list-style-type: none"> <li>a) Locate a vehicle battery</li> <li>b) Remove a vehicle battery</li> <li>c) Refit a vehicle battery observing polarity connections</li> </ul>
	2.2 Test vehicle battery voltage at: <ul style="list-style-type: none"> <li>a) Engine off no load</li> <li>b) Engine cranking</li> <li>c) Engine running at 3000 revs</li> </ul>
	2.3 Identify key findings from vehicle battery voltage tests
3. Know about external vehicle lighting systems	3.1 Locate the components of a vehicles external lighting system to include: <ul style="list-style-type: none"> <li>a) Side lights</li> <li>b) Head lamps</li> <li>c) Direction indicators</li> <li>d) Hazard warning lights</li> <li>e) Stop lights</li> <li>f) Reverse lights</li> </ul>

		<ul style="list-style-type: none"> <li>g) Fog lights</li> <li>h) Number plate lamps</li> </ul>
	3.2	Perform a vehicle external lighting check
	3.3	Identify key finding from vehicle lighting check
	3.4	Replace the bulbs/lamps for at least one of the following: <ul style="list-style-type: none"> <li>a) Side lamps</li> <li>b) Rear lamps</li> <li>c) Direction indicator lamps</li> </ul>
4. Know about internal vehicle lighting systems	4.1	Locate the components of a vehicle internal lighting system to include: <ul style="list-style-type: none"> <li>a) Courtesy light</li> <li>b) Dashboard illumination lights</li> <li>c) Driver information lights</li> </ul>
5. Know about driver information warning lights	5.1	Locate and check the operation of at least six driver information warning lights to include: <ul style="list-style-type: none"> <li>a) Oil pressure warning light</li> <li>b) No charge warning light</li> <li>c) Brake warning light.</li> </ul>
6. Know about vehicle circuit protection	6.1	Identify lighting circuit fuse location and value
	6.2	Locate, remove, test and replace a lighting circuit fuse
7. Be aware of environmental considerations	7.1	Demonstrate appropriate ways to dispose of waste products in accordance with environmental guidance