

UNIT REF: MOTT05MC	UNIT TITLE: Carry out a Vehicle Test
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Level:	Route: Classes 1 and 2 (L1, L2, L3 and L4)
Credit Value:	
Guided Learning Hours:	
Rationale:	
This unit provides the learner with the knowledge and skills required to carry out a vehicle test using prescribed methods and current published guidance.	

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The Learner will:	The Learner can:
1. Know testing methods and how to conduct a vehicle test	<ul style="list-style-type: none"> a) Identify the ethical requirements associated with vehicle testing b) Identify legal implications associated with carrying out vehicle tests and issuing test results c) Describe their responsibilities when authorising test records on behalf of the Competent Authority/ Supervising Body d) Describe how and when to use an assistant during testing activities e) Identify the different records and forms relating to vehicle testing f) Explain the procedure and requirements for retesting a vehicle including partial retests g) Explain the importance of keeping personal and customer information, data and passwords secure
2. Be able to work safely when carrying out a vehicle test	<ul style="list-style-type: none"> a) Use suitable personal protective equipment throughout all activities b) Work in a way that reduces risk of damage or injury to the vehicle, people and environment
3. Be able to use suitable sources of information to carry out a vehicle test	<ul style="list-style-type: none"> a) Locate latest information published online by Competent Authority/ Supervising Body b) Select suitable sources of information relating to testing activities including legal, technical information and testing procedures c) Use relevant information to enable an accurate decision relating to vehicle testing
4. Be able to use appropriate tools and	<ul style="list-style-type: none"> a) Use the approved tools and equipment in

<p>equipment in relation to a vehicle test</p>	<p>relation to the testing activities</p> <p>b) Check all approved tools and equipment for safety and calibration where required</p>
<p>5. Be able to carry out the test in accordance with the guidance for classes 1 & 2 (L1, L2, L3 and L4)</p>	<p>a) Prepare the vehicle systems and work area prior to test</p> <p>b) Use the recommended inspection routine outlined in the vehicle inspection manual</p> <p>c) Carry out systematic vehicle test following approved procedures and recognised inspection methods</p> <p>d) Apply the standards for the test and the correct defect categorisation as mandated by the Inspection Manual</p> <p>e) Use information recorded during test to inform decisions</p>
<p>6. Be able to record the information resulting from the vehicle test</p>	<p>a) Record the vehicle on the MOT Testing Service (Computerised system) prior to carrying out the vehicle test</p> <p>b) Select the correct form relating to testing decision</p> <p>c) Use the IT system to record your decision and additional information gathered during testing activities</p>

<p>Content:</p>
<p>Ethical Requirements:</p> <ul style="list-style-type: none"> • Acting on behalf of the Secretary of State for Transport to certify that in-scope vehicles meet the requirements of the MOT Test • Acting honestly, compliant within the rules of the MOT scheme and avoiding fraud • Not compromising road safety through inappropriate or fraudulent activities connected with the MOT scheme <p>Legal implications</p> <ul style="list-style-type: none"> • Removal from the scheme through the MOT disciplinary process • Prosecution • Bringing the MOT Scheme into disrepute <p>Purpose; In-scope vehicles over a prescribed age are checked once a year to ensure that they meet key roadworthiness and environmental requirements.</p> <ul style="list-style-type: none"> • A test record is created • The test only relates to the condition of testable items at the time of test • Dismantling is not permitted

Standards:

- Assessment of component wear and condition
- Minimum standards
- Time of test
- Types of decision
- Objective & subjective, assessment criteria,
- Inappropriate modifications and repairs,
- Common areas of incorrect decisions.
- partial re-tests

VPE/PPE (Where appropriate)

- Safety Shoes
- Overalls
- Gloves
- Head protection

Testing responsibilities

- Test appointments
- Viewing of tests
- Conduct of tests
- MOT Testing Service use and security requirements

Use of assistants

- Requirement for assistants in normal testing

Equipment:

- Use of designated acceptable equipment (only)
- Procedures following testing equipment failure
- Condition of equipment and calibration requirements

Materials and Form:

- How to access reference material, including the Testing Guide and special notices
- The rules concerning retention and printing of special notices
- Relevant sections of the introduction to the Inspection Manual & how to use manual, for example, refuse to test, inspection procedure, assessment criteria, modified vehicles and any section the trainer feels relevant
- Official published forms

Personal and customer information

- Password authentication, and test data security
- Customer personal data

Work in a way that reduces risk of damage or injury to the vehicle, people and environment

Potential risks resulting from:

- the use and maintenance of machinery or equipment
- the use of materials or substances
- accidental breakages and spillages
- unsafe behaviour
- working practices that do not conform to laid down policies

- environmental factors
- personal presentation
- unauthorised personal, customers, contractors etc entering your work premises

Sources of Information:

- Inspection Manual
- Testing Guide
- Special notices
- Rules concerning retention and printing of special notices.
- Inspection procedure
- “DVSA” Direct
- “Matters of Testing”

Prepare the vehicle systems & work areas

- Use of Vehicle Protective Equipment
- MOT bay is clear, tidy and safe
- Vehicle can be safely inspected using the appropriate stand or support

Testable Items

Use recommended Inspection Routine outlined in the MOT Inspection Manual

Carry out systematic vehicle test following approved procedures and recognised inspection methods

Using the MOT Inspection Manual, carry out an inspection, identify in-scope items which pass, pass with advice or fail

Section 1 Lighting and Electrical Systems:

Lamps in scope of test, method of inspection, fail criteria for all testable lamps and relevant warning lamps. Additional lamps, variations depending on motorcycle type and age. Types of head lamp, methods of inspection beam aim and fail criteria.

Section 2. Steering & Suspension:

Methods of inspection for steering controls, head bearings, handle bar mountings, lock to lock, fail criteria for all steering defects

Methods of inspection and fail criteria for relevant checks on all moving and static suspension components, All relevant checks on wheel bearings, dampers and fork assemblies. Correct procedure for carrying out wheel alignment on solo machines.

Section 3. Braking systems:

Test procedure for brake components, all hydraulic and mechanical components, brake performance testing using a Roller Brake Tester (RBT) and decelerometer, plate testing where appropriate. Methods of calculating brake efficiency for standard, linked braking systems and sidecars, methods of inspection and fail criteria.

Section 4. Wheels & Tyres:

Tyre structures, legal fitment, testable and non testable markings, unsuitable tyres, condition, damage and correct fitment, tread depth requirement variations for Motorcycle type and age. Wheel condition, run out, eccentricity and security.

Section 5. Side Cars:

Methods of inspection for side cars including wheel alignment procedure and all fail criteria.

Section 6. Body & Structure:

Methods of inspection, use of Corrosion Assessment Tool (CAT) and fail criteria, seats, footrests & transmission. Registration plates and Vehicle Identification Number (VIN).

Section 7. Fuel & Exhaust:

Method of inspection for fuel & exhaust systems including silencer types and markings.

Appendix B. Assessment of Corrosion

Criteria to be considered when making a decision on corrosion related defects

Partial Retests abandon and abort

- Retest procedure found in VT9a (Fees & Appeals) poster and the MOT Testing Guide
- Correct procedure for using the Pass after Rectification at Station (PRS) function
- Abandoned tests where it is impossible to complete a test
- Aborted tests where there is a problem with equipment

Documentation:

Select the correct form relating to testing decision

Using the inspection checklist to inform and populate the Pass certificate or the 'Refusal of an Mot certificate'

- The purpose of each document
- Reasons for issue
- The data base is the MOT record (not the paper document)
- Vehicle Defect Reporting Scheme (VDRS) form and VTS procedures if presented with form
- Roadworthiness Prohibition (PG9) and VTS procedures if presented with form
- Procedure for issuing duplicate or replacement certificates, who can issue, costs involved

Using the Vehicle Testing Service (The MOT computerised system) in training mode, create a record of the simulated test.

Contingency Procedure:

The procedures for contingency testing in the event of a serious problem with the MOT Testing Service. Security of certificates, retention requirements and record keeping