

### Overview

This NOS is about carrying out motorcycle preparation activities and a range of inspections and appropriate testing methods and equipment. It covers sales motorcycles (second hand) and removing a new motorcycle from a crate and assembling it.

In this standard the term 'motorcycle' includes motorcycles, scooters, mopeds and motorcycle-derived three- or four-wheel vehicles (such as quad bikes) on which the rider sits.

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## Performance criteria

- You must be able to:
- P1 use suitable personal and motorcycle (where applicable) protective equipment throughout all motorcycle **preparation and inspection activities**
  - P2 use suitable sources of technical information to support your motorcycle preparation and inspection activities
  - P3 ensure the motorcycle and the work area is safe prior to work commencing
  - P4 confirm that, where applicable, tools and **equipment** have been calibrated to meet manufacturer's and legal requirements, where necessary
  - P5 carry out systematic motorcycle preparation and inspections following:
    - P5.1 your workplace procedures
    - P5.2 health and safety requirements
    - P5.3 manufacturer's guidelines
  - P6 conduct all motorcycle **testing** following:
    - P6.1 the manufacturer's instructions
    - P6.2 the recognised test methods
    - P6.3 your workplace procedures
    - P6.4 health and safety requirements
  - P7 ensure your comparison of the motorcycle against specification accurately identifies and records any:
    - P7.1 difference from the motorcycle specification
    - P7.2 motorcycle appearance and condition faults
    - P7.3 non-compliance with relevant statutory requirements
  - P8 prepare motorcycles for sale to meet your organisation's, manufacturer's and relevant legal requirements
  - P9 work in a way which minimises the risk of damage to the motorcycle and its systems, other people and their property
  - P10 make suitable recommendations for future action based upon the results of your tests and inspections

- P11 ensure your records are accurate, complete and passed to the relevant person(s) promptly in the format required
- P12 complete all inspection activities within the agreed timescale and to specification
- P13 report any anticipated delays in completion to the relevant person(s) promptly

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**Knowledge and understanding****You need to know and understand:****Legislative and organisational requirements and procedures**

- K1 the health and safety legislation, environmental requirements and workplace procedures relevant to conducting motorcycle preparation and inspections and personal and motorcycle protection
- K2 the legislation relevant to the types of **motorcycle preparation and inspections** described in the Scoping Statement for this NOS and the implications for the organisation and the technician
- K3 your workplace procedures for:
  - K3.1 recording **motorcycle preparation and inspections** and any variations from acceptable tolerances and relevant requirements
  - K3.2 the referral of problems
  - K3.3 reporting delays to the completion of work
- K4 the importance of making accurate records of the results of your tests and inspections and interpreting them correctly
- K5 the importance of working to agreed timescales and keeping others informed of progress
- K6 the relationship between time, cost and profitability
- K7 the importance of reporting anticipated delays to the relevant person(s) promptly

**Sources of information**

- K8 how to find, interpret and use technical information
- K9 the importance of using appropriate technical information to inform your inspection and testing of motorcycles

**Preparation, testing methods and the conduct of inspections**

- K10 how motorcycle systems operate (including the engine area, transmission area, steering, brakes, suspension and electrical area) and the operational tolerances for the motorcycle(s) on which you are working
- K11 how to follow procedures for the systematic inspection and preparation of motorcycles

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- K12 how to test the operation of motorcycle systems and motorcycle condition, including workshop based and road tests
  - K13 how to compare test and inspection results against motorcycle specifications and legal requirements
  - K14 how to record test and inspection results in the format required
  - K15 how to make recommendations based upon the results of your inspections
  - K16 the importance of carrying out and reporting an inspection correctly and the implications of failing to do so
  - K17 how to safely un-crate and assemble motorcycles following manufacturer's instructions and procedures
  - K18 the differences between preparation of motorcycles for the showroom and for the customer
  - K19 how to minimise the likelihood of corrosion and damage when assembling and reassembling motorcycles

**Scope/range**

All of the items listed below form part of this National Occupational Standard.

**1 Motorcycle preparation and inspection can cover:**

- 1.1. pre-work
- 1.2. post-work
- 1.3. pre-delivery
- 1.4. pre-MOT test
- 1.5. safety inspections
- 1.6. un-crate and assembly

**2 Test methods are:**

- 2.1. sensory
- 2.2. functional
- 2.3. measurement

**3 Equipment is:**

- 3.1. emissions testers
- 3.2. brake testers
- 3.3. headlamp alignment
- 3.4. wheel alignment
- 3.5. torque setting/testing
- 3.6. diagnostic equipment
- 3.7. battery charging
- 3.8. lifting and support equipment
- 3.9. measuring
- 3.10. tyre equipment
- 3.11. electrical and electronic

**Additional  
information****Glossary**

*This section contains examples and explanations of some of the terms used but does not form part of the standard.*

**Agreed timescales**

Examples include manufacturer's recommended work times, job times set by your company or a job time agreed with a specific customer

**Motorcycles**

In this standard the term 'motorcycle' includes motorcycles, scooters, mopeds and motorcycle-derived three- or four-wheel vehicles (such as quad bikes) on which the rider sits.

**Preparation**

Examples include – making seat, handlebar and or foot peg adjustments to suit the customer, un-crating and assembly

**Sensory testing**

This may include looking, listening, smelling and touching for heat.

**Sources of technical information**

Examples include inspection schedules, MOT inspection manuals and guides, manufacturer's manuals, Trade Association checklists and workplace procedures

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## Carry out motorcycle preparation and inspections



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