

IMIHV06

Inspect large goods and passenger vehicles



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Overview

This standard is about carrying out a range of inspections on large goods and passenger vehicles using a variety of testing methods and equipment.

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Performance criteria

You must be able to:

- P1 use suitable personal and vehicle protective equipment throughout all vehicle inspection activities
- P2 use suitable sources of technical and legal information to support your vehicle inspection activities
- P3 prepare the vehicle, vehicle systems and work area for safe working procedures
- P4 confirm that **equipment** has been calibrated to meet manufacturers' and legal requirements, where necessary
- P5 carry out systematic **vehicle inspections** following:
 - P5.1 your workplace procedures
 - P5.2 health, safety and environmental requirements
- P6 conduct all vehicle testing following:
 - P6.1 the manufacturer's instructions
 - P6.2 the recognised **test methods**
 - P6.3 your workplace procedures
 - P6.4 health, safety and environmental requirements
- P7 ensure your **inspection and testing** of the vehicle against specification accurately identifies any:
 - P7.1 differences from the vehicle specification
 - P7.2 vehicle appearance and condition faults
 - P7.3 non-compliance with statutory requirements
- P8 work in a way which minimises the risk of damage to the vehicle and its systems, other people and their property
- P9 make suitable recommendations for future action based upon the results of your tests and inspections
- P10 ensure your records are accurate, complete and passed to the relevant person(s) promptly in the format required
- P11 complete all inspection activities within the agreed timescale
- P12 report any anticipated delays in completion to the relevant person(s) promptly

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Knowledge and
understanding

Legislative and organisational requirements and procedures

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You need to know
and understand:

- K1 the legislation and workplace procedures relevant to:
 - K1.1 health and safety
 - K1.2 the environment (including waste disposal)
 - K1.3 personal and vehicle protective equipment
- K2 the legislation, including Operator licensing, relevant to **vehicle inspections**
- K3 the implications on an Operators Licence of not carrying out repairs and inspections correctly
- K4 your workplace procedures for:
 - K4.1 recording **vehicle inspections** and any variations from acceptable tolerances
 - K4.2 the referral of problems
 - K4.3 reporting delays to the completion of work
- K5 the importance of making accurate records of the results of your tests and inspections and interpreting them correctly
- K6 the importance of working to agreed timescales and keeping others informed of progress
- K7 the relationship between time, costs and productivity
- K8 the importance of reporting anticipated delays to the relevant person(s) promptly

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Sources of information

You need to know
and understand:

- K9 how to find, interpret and use technical information
- K10 the importance of using technical information to inform your inspection and testing of vehicles

Testing methods and the conduct^{ing} of Inspections

You need to know
and understand:

- K11 how vehicle systems operate (including the engine area, transmission area, chassis area, body area and electrical area) and the operational tolerances for the vehicle(s) on which you are working
- K12 how to follow procedures for the systematic inspection of vehicles
- K13 how to test the operation of vehicle systems and assess vehicle condition, including workshop based and road tests

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- K14 how to compare test and inspection results against vehicle specifications and legal requirements
- K15 how to record test and inspection results in the format required
- K16 how to make recommendations based upon the results of your inspections
- K17 the importance of inspecting the vehicle following any repairs
- K18 the implications of signing workplace documentation and vehicle records
- K19 the hazards associated with working on or near high voltage electrical vehicle components

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Scope/range

1. **Vehicle inspections** are:

- 1.1. pre-delivery
- 1.2. pre-purchase
- 1.3. pre-DVSA and/or Preventative Maintenance Inspections (PMI)
- 1.4. safety
- 1.5. pre- and post-accident

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2. **Test methods** are:

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

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3. **Equipment** examples are:

- 3.1. emissions testing
- 3.2. brake testing
- 3.3. headlamp alignment
- 3.4. wheel alignment
- 3.5. torque setting
- 3.6. specialist diagnostic equipment

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**Additional
information**

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

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Glossary

Agreed timescales:

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

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Large Goods and Passenger Vehicles:

These are medium and large goods vehicles, buses and coaches of 3500kgs gross vehicle mass (GVM) and above.

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Sources of technical information:

Examples include: inspection schedules, mandatory annual test inspection manuals (DVSA) and guides, manufacturers' manuals and trade association check lists, workplace procedures.

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Suite Maintenance and Repair - Large Goods and Passenger Vehicle

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Key words Inspect; commercial; vehicles; heavy; inspections; DVSA; bus;
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