

Inspect light vehicles using prescribed inspection methods

Overview

This NOS is about carrying out a range of inspections on light vehicles using a variety of prescribed testing and inspection methods.

Inspect light vehicles using prescribed inspection methods

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 information to support your **vehicle inspection** activities

P3 prepare the vehicle systems and work area for safe working procedures (where appropriate)

P4 carry out systematic **vehicle inspections** following:

P4.1 manufacturer's approved procedures

P4.2 recognised repair methods

P4.3 health, safety and environmental requirements

P4.4 prescribed documentation

P5 confirm all systems and components inspected function correctly following the manufacturer's specifications

P6 ensure your comparison of the vehicle against specification accurately identifies any:

P6.1 differences from the vehicle specification

P6.2 vehicle appearance and condition faults

P7 work in a way which minimises the risk of damage to the vehicle and its systems, other people and their property

P8 make suitable recommendations for future action based upon the results of your **tests** and inspections

P9 ensure your records and vehicle-related paperwork are accurate, complete and passed to the relevant person(s) promptly in the format required

P10 complete all inspection activities within the agreed timescale and to specification

P11 report any anticipated delays in completion to the relevant person(s) promptly

Inspect light vehicles using prescribed inspection methods

Knowledge and understanding

You need to know and understand:

Legislative and organisational requirements and procedures *

*

K1 the legislation and workplace procedures relevant to:

K1.1 health and safety

K1.2 the environment (including waste disposal)

K1.3 appropriate personal and vehicle protective equipment

K2 the legislation relevant to the **vehicle inspections** for **pre-work, post-work, pre-delivery** and **maintenance**.

K3 the importance of making accurate records of the results of your **tests** and inspections and interpreting them correctly

K4 the different formats in which records may be stored and how to access and update these records

K5 the importance of working to agreed timescales and keeping others informed progress

K6 the relationship between time and costs

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 technical information to inform your inspection and testing of vehicles

Testing methods and the conduct of Inspections

K10 the hazards associated with working on or near high energy electrical vehicle components

K11 how vehicle systems operate (including the engine area, transmission area, chassis / frame area and electrical area) and the operational tolerances for the vehicle(s) on which you are working

K12 how to follow procedures to carry out the systematic inspections described in the scoping statement above

K13 how to confirm the correct operation of vehicle systems

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 implications of failing to carry out inspections activities correctly

K18 the implications of signing workplace documentation and vehicle records

Inspect light vehicles using prescribed inspection methods

Scope/range

****1.** Vehicle inspections**** are:

- 1.1. pre-work (including vehicle health check)
- 1.2. post work (including quality check)
- 1.3. pre-delivery
- 1.4. maintenance

2. Test methods are:

- 2.1. visual
- 2.2. aural
- 2.3. functional
- 2.4. measurement

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 customer.

Equipment:

Appropriate test equipment to correctly confirm the functionality of the system that you are inspecting; this may include measuring equipment, specialist diagnostic equipment etc.

Maintenance inspections:

For example, brakes or tyres.

Vehicles:

These can be any of the following – light vehicles Additionally these vehicles: SI, CI, Hybrid or Alternative fuel vehicles.

Alternative fuel:

This is defined as any type of fuel that may be used to power an internal combustion engine, examples would include LPG, bio ethanol etc.

*Sources of technical information:**

Examples include pre-determined / pre-printed inspection schedules, manufacturers' manuals and Trade Association check lists, workplace procedures.

Inspect light vehicles using prescribed inspection methods

Developed by	IMI
Version Number	3
Date Approved	30 Mar 2020
Indicative Review Date	31 Mar 2024
Validity	Current
Status	Original
Originating Organisation	IMI Ltd
Original URN	LV05
Relevant Occupations	Engineering, Light Vehicle Service Technician (Automotive), Vehicle Trades
Suite	Accident Repair - Joining, Maintenance and Repair - Light Vehicle
Keywords	Inspect; motor; vehicles; prescribed; inspection; methods; light; pre-work; post-work